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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

70701	Diego Garcia	LATITUDE 7°18'S	LONGITUDE 72°24'E	STATION ELEV (FT) 9	CALL SIGN FJDC	ADG N. NUMBER 61967			
STATION LOCATION AND INSTRUMENTATION HISTORY									
NUMBER OF BARG LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY
			FROM	TO			FEET	TYPE BARGMETER	
	Island of Mauritius Met. Office	G.B.	1951	1971	7°14'S	72°26'E	7	Unknown	UNK
1.	Met Van	Navy	1971	Aug 1973	7°42'S	72°24'E	6	Aneroid	*
2.	Air Operations Bldg	"	1973		7°18'S	72°24'E	5	"	24
<p>* Limited observing program from July 1971 through May 1974 (8 obs/day). The observing program became fully operational June 1974 (24 obs/day).</p>									
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE			
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND				
1.	1971	Top of Met Van	UMQ-5	RD-108	17'	1. Barograph (ML-3) 2. Elec. Psychrometer (ML-450A) 3. Radiosonde (AN/GMD-1) 4. APT (SMQ-6) 5. Semi-auto Met Station (AN/GNQ-14) 6. Ceiling light (ML-121) 7. Theodolite (Shore Type) 8. Thermoscreen (ML-41) 9. Rawinsonde Set (GMD 1)			
2.	1973	Met. Pad (433' SW of Air Ops Bldg)	"	RD-108B	11'				

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Asheville, NC

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Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

70701

DIFGO GARCIA ISLAND

74, 76-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.4	84.6				84.6		2.4			2.4	123
FEB		6.0	81.0				81.0						84
MAR		2.2	76.3				76.3						93
APR		8.3	68.3				68.3						120
MAY		.8	61.3				61.3						124
JUN		2.5	61.7				61.7						120
JUL		1.6	74.2				74.2		.8			.8	124
AUG		2.2	75.3				75.3						93
SEP			69.2				69.2	.8				.8	120
OCT		1.6	85.5				85.5		1.6			1.6	124
NOV		2.5	65.3				65.3						121
DEC		2.4	85.5				85.5						124
TOTALS		2.7	74.0				74.0	.1	.4			.5	1370

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WEATHER CONDITIONS

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	02		14.0				14.0		.5			.5	186
	05		16.7				16.7		.5			.5	186
	08		13.4				13.4						186
	11		17.7				17.7						186
	14		10.8				10.8						186
	17		12.4				12.4						186
	20		11.8				11.8						186
	23	.5	10.2				10.2		.5			.5	186
TOTALS		.1	13.4				13.4		.2			.2	1488

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WEATHER CONDITIONS

70731
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	02		9.5				9.5						169
	05		8.9				8.9						169
	08	.6	8.9				8.9						169
	11	1.2	6.5				6.5						169
	14		4.7				4.7						169
	17		10.1				10.1						169
	20		6.5				6.5						169
	23		4.7				4.7						169
TOTALS		.2	7.5				7.5						1352

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	02	.5	9.1				9.1						186
	05		5.9				5.9						126
	08		5.9				5.9						186
	11		4.3				4.3						186
	14		5.9				5.9						186
	17	.5	6.5				6.5						186
	20		5.9				5.9						186
	23		3.2				3.2						186
TOTALS		.1	5.8				5.8						1488

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	02		6.7				6.7						180
	05	.6	7.2				7.2						180
	08	1.1	6.1				6.1						180
	11	.6	6.7				6.7						180
	14		6.1				6.1						180
	17		5.0				5.0						180
	20		7.2				7.2						180
	23	.6	7.8				7.8						180
TOTALS		.4	6.6				6.6						1440

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WEATHER CONDITIONS

70731
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	02		3.8				3.8						186
	05		8.1				8.1						186
	08		5.4				5.4						186
	11		2.7				2.7						186
	14		3.8				3.8						186
	17		4.3				4.3						186
	20		5.9				5.9						186
	23		4.8				4.8						186
TOTALS			4.9				4.9						1488

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	02		3.9				3.9						180
	05		8.9				8.9						180
	08		5.6				5.6						180
	11	.6	4.4				4.4		.6			.6	180
	14		3.9				3.9		.6			.6	180
	17		5.0				5.0		.6			.6	180
	20		2.8				2.8						180
	23		3.9				3.9						180
TOTALS		.1	4.8				4.8		.2			.2	1440

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	02	1.1	7.5				7.5						186
	05		9.7				9.7						186
	08		5.9				5.9						186
	11		6.5				6.5						186
	14		7.5				7.5		.5			.5	186
	17		8.1				8.1						186
	20		3.8				3.8						186
	23		5.4				5.4						186
TOTALS		.1	6.8				6.8		.1			.1	1988

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME73-78
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	02		6.5				6.5						186
	05		5.4				5.4						186
	08		4.8				4.8		.5			.5	186
	11		4.8				4.8						186
	14		4.3				4.3						186
	17		8.1				8.1						186
	20		7.0				7.0						186
	23		5.9				5.9						186
TOTALS			5.9				5.9		.1			.1	1488

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WEATHER CONDITIONS

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	02	.5	9.0				9.0						210
	05	.5	11.0				11.0						210
	08		10.0				10.0						210
	11		9.0				9.0	.5				.5	210
	14		8.1				8.1	.5				.5	210
	17		9.0				9.0	.5				.5	210
	20		8.1				8.1	.5				.5	210
	23		7.6				7.6						210
TOTALS		.1	9.0				9.0	.3				.3	1680

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME73-79
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	02		11.1				11.1						217
	05		9.7				9.7						217
	08		8.8				8.8						217
	11	.5	5.1				5.1		.5			.5	217
	14		7.4				7.4		.5			.5	217
	17		6.0				6.0		.9			.9	217
	20		6.9				6.9						217
	23	.5	8.3				8.3						217
TOTALS		.1	7.9				7.9		.2			.2	1736

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WEATHER CONDITIONS

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	02		9.0				9.0						210
	05		11.0				11.0						210
	08		5.7				5.7						210
	11		5.2				5.2						210
	14	.5	8.1				8.1						210
	17		7.6				7.6						210
	20		5.7				5.7						210
	23		8.1				8.1						210
TOTALS		.1	7.6				7.6						1680

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME73-79
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	02	.5	10.1				10.1						217
	05		11.5				11.5						217
	08		8.8				8.8						217
	11	.5	6.9				6.9						217
	14		6.0				6.0						217
	17		8.3				8.3						217
	20		5.5				5.5						217
	23	.5	10.6				10.6						217
TOTALS		.2	8.5				8.5						1736

NAVWEASERVCOM

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WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME73-79
YEARSALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	13.4				13.4		.2			.2	1488
FEB		.2	7.5				7.5						1352
MAR		.1	5.8				5.8						1488
APR		.4	6.6				6.6						1440
MAY			4.9				4.9						1488
JUN		.1	4.8				4.8		.2			.2	1440
JUL		.1	6.8				6.8		.1			.1	1498
AUG			5.9				5.9		.1			.1	1488
SEP		.1	9.0				9.0	.3				.3	1680
OCT		.1	7.9				7.9		.2			.2	1736
NOV		.1	7.6				7.6						1680
DEC		.2	8.5				8.5						1736
TOTALS		.1	7.4				7.4	.0	.1			.1	18504

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

7 7 1 DIEGO GARCIA ISLAND AUGUST 1973-DECEMBER 1979 JANUARY
STATION MONTH YEARS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.2	11.5												87.2
NNE		8.1												91.9
NE	0.7	8.7												82.6
ENE	15.0	16.7												73.3
E	1.3	5.3												89.5
ESE	2.4	14.3												83.3
SE		13.8												86.2
SSE		7.7												92.3
S	2.0	5.9												92.2
SSW	4.4	15.6												80.0
SW		12.5												87.5
WSW	2.1	9.8												88.2
W	3.0	8.4												88.5
WNW	4.5	11.4	.5					.5						83.3
NW	4.5	11.3												84.4
NNW	2.4	14.4												83.2
VARIABLE														
CALM		2.5									2.3			88.7
TOTAL	43	155	1					1			3			1286
% TOTAL	2.9	15.4	.1					.1			.2			86.4

TOTAL NUMBER OF OBSERVATIONS 1,488

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1771 PIESO GARCIA ISLAND STATION NAME AUGUST 1973-DECEMBER 1979 YEARS FEBRUARY MONTH HOURS 1,344

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		9.4												90.6
NNE		5.9						2.9						94.1
NE														100.0
ENE		6.3												93.8
E		3.4												96.6
ESE	2.5													97.2
SE		5.0												95.0
SSE	2.2	8.7												89.1
S		3.0												97.0
SSW		8.9						1.8						91.1
SW		11.1												88.9
WSW	1.1	9.5												89.5
W	.5	4.0	.4					.4						94.6
WNW	1.1	7.9	.6											90.4
NW		9.5												90.5
NNW		9.6												90.4
VARIABLE														
CALM		1.9												96.1
TOTAL	7	89	2					3						1250
% TOTAL	.5	6.6	.1					.2						92.7

TOTAL NUMBER OF OBSERVATIONS 1,344

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

7 7 1
STATION

PIEDRA GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

MARCH
MONTH

HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.2												93.6
NNE														100.0
NE		4.2												95.6
ENE														100.0
E														100.0
ESE	1.7	5.2	1.7											91.4
SE		9.4	1.6											89.1
SSE														100.0
S		5.3	2.1											92.6
SSW		7.1												92.9
SW	1.4	2.8												95.8
WSW		9.6						1.1						90.4
W		5.0												93.5
WNW		9.3												87.3
NW		2.9												97.1
NNW		11.9						1.1						88.2
VARIABLE CALM		9												90.1
TOTAL	3	3	4					2						1400
% TOTAL	.2	5.4	.3					.1						94.1

TOTAL NUMBER OF OBSERVATIONS 1,487

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

DIEST GARCIA ISLAND

AUGUST 1973-DECEMBER 1979

APRIL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.7	16.7												76.7
NNE		11.1												88.9
NE		15.2												84.8
ENE		23.5												76.5
E	.5	10.3												89.2
ESE		4.7												95.3
SE	1.1	2.6						1.5						95.9
SSE	.5	2.5						.5						97.0
S		4.5						.6						94.9
SSW		1.4												98.6
SW		1.9												98.1
WSW														100.0
W		2.0												98.0
WNW		5.1												94.9
NW		12.5												87.5
NNW	7.2	13.2												79.9
VARIABLE														
CALM		2.4	.7											96.9
TOTAL	11	3	1					5						1343
% TOTAL	.5	5.8	.1					.3						93.3

TOTAL NUMBER OF OBSERVATIONS 1,440

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS7 777
STATIONPIESO GARCIA ISLAND
STATION NAMEAUGUST 1973-DECEMBER 1979
YEARSMAY
MONTH

HOURS 11.5.77

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		7.7												92.3
NE		38.5												61.5
ENE	4.2	12.5												83.3
E		9.5												90.5
ESE	.5	5.4												94.0
SE	1.0	2.3												96.7
SSE		2.9												97.1
S	1.3		.6											98.1
SSW		2.0												98.0
SW														100.0
WSW														100.0
W		23.0												80.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														
CALM		5.4												94.6
TOTAL	9	62	1											1416
% TOTAL	.6	4.2	.1											95.2

TOTAL NUMBER OF OBSERVATIONS 1,488

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1701 DIEGO GARCIA ISLAND STATION NAME AUGUST 1973-DECEMBER 1979 YEARS JUNE MONTH HOURS 1,440 HOURS - L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE		40.0												60.0
ENE		10.0												90.0
E		9.0												91.0
ESE	.5	3.9												95.5
SE	.7	2.4									.7			96.3
SSE	.2	3.7						.5						95.3
S		6.5												93.5
SSW		5.9												94.1
SW		25.0												75.0
WSW														100.0
W		5.3												93.8
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM		8.0												92.0
TOTAL	.5	1						1			3			1368
% TOTAL	.0	4.2						.1			.2			95.0

TOTAL NUMBER OF OBSERVATIONS 1,440

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

70701
STATIONDIEGO GARCIA ISLAND
STATION NAMEAUGUST 1973-DECEMBER 1979
YEARSJULY
MONTH

HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														
NNE														100.0
NE		33.3												66.7
ENE		20.0												80.0
E	3.8	11.5						1.9						84.6
ESE	.4	9.3									.4			89.9
SE	1.6	3.9						.2						94.5
SSE	.8	4.2	.2											94.7
S		4.3												95.7
SSW	25.0	25.0												50.0
SW														
WSW														
W														
WNW														
NW														
NNW		100.0												
VARIABLE														
CALM														100.0
TOTAL	10	92	1					2			1			1386
% TOTAL	1.2	5.5	.1					.1			.1			93.1

TOTAL NUMBER OF OBSERVATIONS 1,488

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

7711
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

AUGUST
MONTH

HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE		10.0												90.0
ENE		30.0												70.0
E	2.4	3.4												89.2
ESE	.3	4.1												95.6
SE	1.7	4.9									.2			93.6
SSE	1.7	3.7												94.6
S		1.0												98.7
SSW														100.0
SW														
WSW		33.3												66.7
W														
WNW														
NW		100.0												
NNW		50.0												50.0
VARIABLE														
CALM														36.0
TOTAL	1.4	6.9									1			1400
% TOTAL	1.2	4.6									.1			94.1

TOTAL NUMBER OF OBSERVATIONS 1,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

7 7 1
STATION

WIEGA GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

SEPTEMBER
MONTH

NO. OF OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		0.3												93.6
NE	5.0	23.5												70.6
ENE		23.8												76.2
E	2.0	21.5						2.5						75.0
ESE		8.6												91.4
SE	0.3	6.0												93.6
SSE	0.2	6.4												93.3
S	0.4	9.1												91.2
SSW	5.3	12.5												79.7
SW		11.1							1.6					88.9
WSW		6.7												93.3
W		23.8												76.2
WNW		28.6							14.3					71.4
NW	14.3	14.3							28.6					62.9
NNW		25.0												75.0
VARIABLE														
CALM	1.0	4.9												94.1
TOTAL	11	140						2	4					1527
% TOTAL	.7	8.3						.1	.2					90.9

TOTAL NUMBER OF OBSERVATIONS 1,680

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

NO. OF OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	41.2									5.9			47.1
NNE		27.3									4.5			68.2
NE		18.8									6.3			75.0
ENE	2.7	16.2												81.1
E		11.0												89.0
ESE		7.5												92.5
SE		6.3												93.8
SSE	.4	3.2												96.5
S	.5	4.8						.5						98.2
SSW		5.8												98.2
SW		4.0						4.0						92.0
WSW		8.7												91.3
W		3.4												96.6
WNW		11.1									5.6			83.3
NW		9.1												90.9
NNW		26.7												73.3
VARIABLE														
CALM	2.8	14.7												88.6
TOTAL	5	172						2			4			1593
% TOTAL	.3	7.6						.1			.2			91.8

TOTAL NUMBER OF OBSERVATIONS

1,736

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME: DIEGO GARCIA ISLAND YEARS: AUGUST 1973-DECEMBER 1979 MONTH: NOVEMBER HOURS: 1553

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.4	26.8												70.7
NNE		13.8												86.7
NE		11.1												88.9
ENE		2.9												97.1
E		8.6												91.4
ESE	.4	7.8												91.4
SE	.2	3.6												95.8
SSE		4.7												95.3
S		4.5												95.5
SSW		2.2												97.8
SW		7.5												92.5
WSW		7.4												92.6
W		13.3												86.7
WNW		9.1												90.9
NW		10.7												89.3
NNW		21.2												78.8
VARIABLE														
CALM	1.6	11.5						1.6						11.5
TOTAL	3	122						1						1553
% TOTAL	.3	7.3						.1						92.4

TOTAL NUMBER OF OBSERVATIONS 1,680

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

701 PIED GARCIA ISLAND AUGUST 1973-DECEMBER 1979 DECEMBER
STATION STATION NAME YEARS MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		12.5						1.0						86.1
NNE		2.6												97.4
NE	2.0	8.3	2.8											86.1
ENE	1.0	5.4	1.8											91.1
E		4.8												95.2
ESE		2.6												97.4
SE	1.0	5.8						1.0						93.2
SSE		9.4												90.6
S	.9	5.3												93.9
SSW		3.8												96.2
SW		3.8												96.2
WSW		11.4						1.0						88.6
W	.5	10.2												89.7
WNW		5.7												94.3
NW		12.2												87.8
NNW	1.0	18.8												90.2
VARIABLE														
CALM		7.5												92.5
TOTAL	6	139	2					3						1588
% TOTAL	.3	8.0	.1					.2						91.5

TOTAL NUMBER OF OBSERVATIONS 1,736

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

NO. BY CLUT

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4	13.5						.3			.3			84.5
NNE		3.5						.4			.4			91.7
NE	7.8	17.3	.5								.5			83.7
ENE	1.2	11.8	.3											86.7
E	.2	8.7						.2						90.4
ESE	.4	6.1	.0								.3			93.4
SE	.2	4.4	.0					.1			.1			94.6
SSE	.0	4.3	.0					.1						95.1
S	.4	4.3	.2					.1						94.7
SSW	1.0	6.1						.2						92.9
SW	.3	6.5						.3	.3					93.7
WSW	.6	8.2						.4						91.2
W	1.1	7.8	.1					.1						91.0
WNW	1.5	3.8	.3					.1	.1		.1			89.3
NW	1.1	9.5							.3					89.1
NNW	1.4	15.2						.2						83.4
VARIABLE														
CALM	.4	6.4	.1					.1	.1		.3			92.7
TOTAL	144	1218	12					22	4		12			1715
% TOTAL	.7	6.6	.1					.1	.0		.1			92.5

TOTAL NUMBER OF OBSERVATIONS 18,499

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WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

77711

DIEGO GARCIA ISLAND

73-87

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-03	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	19.7	9.7	4.7	10.4	6.5	10.4	10.4	15.1	10.4	2.5	.4			70.6	279	13.27	27.32	4.07
FEB	23.4	12.7	5.1	14.2	7.6	12.7	9.1	7.6	7.1	.5				64.0	197	6.61	9.79	2.77
MAR	33.2	12.9	4.1	7.4	6.5	11.1	12.0	7.4	4.6	.9				53.9	217	6.94	10.72	4.61
APR	29.2	10.4	4.6	10.8	6.7	13.3	11.3	5.4	6.3	2.1				60.4	240	8.34	17.75	1.26
MAY	36.7	13.8	8.3	11.5	6.5	8.3	6.5	2.8	3.2	.5				47.5	217	4.13	9.11	1.20
JUN	40.0	17.1	4.3	7.1	7.6	11.4	5.2	1.4	4.3	1.4				42.9	210	4.70	11.07	.57
JUL	27.8	15.3	5.6	14.5	8.9	10.5	8.9	5.2	2.4	.8				56.9	248	4.95	9.84	1.11
AUG	33.9	19.0	8.5	12.1	7.3	9.3	4.0	2.8	2.4	.4	.4			47.2	248	4.15	17.00	.15
SEP	34.7	12.1	5.0	8.3	6.3	9.6	8.3	6.7	7.5	1.7	.4			53.8	240	9.27	17.37	1.52
OCT	28.7	11.8	7.9	9.3	5.0	10.8	9.7	9.7	6.1	1.1				59.5	279	7.62	14.79	1.64
NOV	34.6	8.1	2.6	9.6	10.0	10.0	9.3	9.6	4.4	1.5				57.0	270	6.84	11.22	1.64
DEC	20.1	9.0	3.6	11.8	7.9	11.5	11.5	15.8	7.5	1.4				71.0	279	10.63	17.27	4.89
ANNUAL	30.3	12.7	5.4	10.6	7.2	10.7	8.8	7.5	5.5	1.2	.1			57.1	2924	87.45		

NAVWEASERVCOM

2

15489

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

72701 DIEGO GARCIA ISLAND 73-82
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	06-.10	11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														279	.0	.0	.0
FEB	100.0														225	.0	.0	.0
MAR	100.0														217	.0	.0	.0
APR	100.0														240	.0	.0	.0
MAY	100.0														248	.0	.0	.0
JUN	100.0														210	.0	.0	.0
JUL	100.0														248	.0	.0	.0
AUG	100.0														248	.0	.0	.0
SEP	100.0														240	.0	.0	.0
OCT	100.0														279	.0	.0	.0
NOV	100.0														270	.0	.0	.0
DEC	100.0														279	.0	.0	.0
ANNUAL	100.0														2983	.0	X	X

NAVWEASERVCOM

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-80
YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														279			
FEB	100.0														225			
MAR	100.0														217			
APR	100.0														240			
MAY	100.0														248			
JUN	100.0														210			
JUL	100.0														248			
AUG	100.0														248			
SEP	100.0														240			
OCT	100.0														279			
NOV	100.0														270			
DEC	100.0														279			
ANNUAL	100.0														2983			

NAYWEASERVCOM

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

71 701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-87

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

45: 79464 96329

PRECIPITATION
(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

EXTREME VALUES

70701
STATIC

DIEGO GARCIA ISLAND
STATION NAME

73-82

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

EXTREME VALUES

70751
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-82

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

EXTREME VALUES

70701
STATIC

DIEGO GARCIA ISLAND
STATION NAME

73-82

YEARS

[illegible]

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1974-1982

STATION

STATION NAME

YEARS

JANUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.90	48	1977			
2	1.80	46	1977			
3	1.87	48	1980			
4	6.02	153	1980			
5	3.11	79	1977			
6	1.13	29	1977			
7	1.84	47	1978			
8	0.56	14	1978			
9	1.77	45	1978			
10	1.89	48	1978			
11	1.59	40	1978			
12	1.28	33	1977			
13	0.36	9	1976			
14	3.28	83	1978			
15	0.68	17	1978			
16	1.91	49	1981			
17	0.93	24	1982			
18	0.98	25	1982			
19	0.57	14	1982			
20	0.93	24	1977			
21	3.08	78	1977			
22	3.02	77	1975			
23	3.00	76	1977			
24	1.82	46	1980			
25	3.67	93	1977			
26	0.66	17	1980			
27	0.97	25	1982			
28	1.58	40	1979			
29	1.75	43	1981			
30	0.89	23	1981			
31	1.45	37	1980			
Monthly	6.02	153	1980			

FEBRUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	31	1977			
2	1.29	33	1981			
3	0.58	15	1976			
4	1.05	27	1979			
5	1.08	27	1978			
6	3.03	77	1979			
7	4.98	126	1982			
8	0.34	9	1981			
9	0.08	2	1982			
10	0.15	4	1982			
11	0.10	3	1981			
12	0.15	4	1981			
13	1.30	33	1974			
14	1.21	31	1977			
15	0.74	19	1982			
16	0.77	20	1979			
17	0.16	4	1979			
18	1.48	38	1979			
19	1.17	30	1981			
20	1.81	46	1976			
21	0.93	24	1977			
22	1.37	35	1977			
23	1.17	30	1976			
24	0.61	15	1978			
25	1.50	38	1976			
26	1.10	28	1978			
27	1.35	34	1979			
28	0.63	16	1979			
29						
30						
31						
Monthly	4.98	126	1982			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1974-1982

STATION

STATION NAME

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.23	6	1982			
2	0.33	8	1982			
3	1.73	44	1977			
4	0.30	8	1977			
5	1.49	38	1982			
6	0.53	13	1982			
7	0.57	14	1975			
8	0.44	11	1975			
9	1.36	35	1974			
10	2.92	74	1979			
11	0.50	13	1977			
12	0.61	15	1975			
13	1.16	29	1982			
14	2.25	57	1978			
15	0.89	23	1978			
16	0.90	23	1981			
17	0.79	20	1974			
18	1.67	42	1982			
19	0.68	17	1982			
20	3.04	77	1982			
21	0.62	16	1981			
22	0.75	19	1978			
23	0.49	12	1977			
24	0.06	2	1981			
25	0.23	6	1981			
26	1.26	32	1978			
27	2.27	58	1974			
28	1.42	36	1974			
29	0.28	7	1979			
30	0.27	7	1981			
31	0.60	15	1974			
Monthly	3.04	77	1982			

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.48	38	1977			
2	0.92	23	1974			
3	3.46	88	1981			
4	1.21	31	1982			
5	1.19	30	1974			
6	0.62	16	1977			
7	3.58	91	1974			
8	1.01	26	1975			
9	1.70	43	1974			
10	0.91	23	1977			
11	0.83	21	1976			
12	0.91	23	1977			
13	0.39	10	1977			
14	0.44	11	1976			
15	1.62	41	1974			
16	0.38	10	1977			
17	0.23	6	1977			
18	1.44	37	1974			
19	1.83	46	1977			
20	1.95	50	1977			
21	0.31	8	1974			
22	1.39	35	1974			
23	3.20	81	1974			
24	2.38	60	1981			
25	0.72	18	1982			
26	0.86	22	1982			
27	2.83	72	1981			
28	3.10	79	1981			
29	0.24	6	1978			
30	0.32	8	1977			
31						
Monthly	3.58	91	1974			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1974-1982

STATION

STATION NAME

YEARS

MAY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07		2 1977			
2	0.36		9 1977			
3	0.38		10 1978			
4	0.20		5 1979			
5	1.53		40 1975			
6	0.91		23 1977			
7	0.02		77 1978			
8	0.39		10 1981			
9	0.18		5 1978			
10	0.09		2 1977			
11	0.23		6 1982			
12	0.17		4 1977			
13	1.06		27 1974			
14	1.03		26 1974			
15	0.40		10 1978*			
16	1.66		42 1981			
17	0.33		8 1982			
18	0.21		5 1982			
19	0.05		1 1981			
20	2.23		57 1977			
21	T		T 1977			
22	T		T 1979*			
23	0.66		17 1977			
24	0.72		18 1975			
25	1.02		26 1977			
26	2.04		52 1977			
27	0.97		25 1976			
28	0.13		3 1974			
29	0.23		6 1976			
30	0.20		5 1974			
31	0.24		6 1982			
Monthly	0.02		77 1978			

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.23		6 1974			
2	0.01		1981			
3	0.20		5 1975			
4	1.12		28 1976			
5	0.11		3 1976			
6	0.86		22 1976			
7	0.31		8 1975			
8	1.60		41 1982			
9	1.03		26 1982			
10	0.15		4 1976			
11	0.04		1 1982*			
12	0.26		7 1982			
13	0.37		9 1977			
14	0.13		3 1975			
15	0.25		6 1975			
16	0.46		12 1976			
17	0.21		5 1975			
18	1.01		26 1976			
19	2.53		64 1976			
20	2.17		55 1976			
21	0.11		3 1976			
22	0.24		6 1982			
23	0.16		4 1977			
24	1.19		30 1981			
25	2.79		71 1977			
26	1.70		43 1981			
27	3.46		88 1981			
28	0.75		19 1982			
29	0.19		5 1978			
30	1.37		35 1982			
31	1.37		35 1982			
Monthly	3.46		88 1981			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1974-1982

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.27	7	1982			
2	0.54	14	1976			
3	0.69	18	1974			
4	0.34	9	1975			
5	0.07	2	1975			
6	0.23	6	1981			
7	0.43	11	1974			
8	0.30	8	1981			
9	0.78	20	1977			
10	0.55	14	1978			
11	0.12	3	1976			
12	1.12	28	1975			
13	0.27	7	1982			
14	0.11	3	1975			
15	1.20	30	1975			
16	1.38	35	1974			
17	0.47	12	1974			
18	0.39	10	1974			
19	0.35	110	1975			
20	0.95	24	1977			
21	0.89	23	1977			
22	1.01	26	1975			
23	0.32	8	1981			
24	2.60	66	1978			
25	1.34	34	1981			
26	0.69	18	1975			
27	0.48	12	1981			
28	0.11	3	1979			
29	0.48	12	1977			
30	0.22	6	1976			
31	0.67	17	1977			
Monthly	4.35	110	1975			

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	13	1976			
2	0.19	5	1976			
3	0.39	10	1976			
4	1.15	29	1981			
5	0.14	4	1981			
6	0.18	5	1977			
7	0.07	2	1981			
8	1.21	31	1976			
9	0.81	21	1975			
10	0.90	23	1982			
11	0.03	1	1974*			
12	0.13	3	1982			
13	0.06	2	1981			
14	0.09	2	1977			
15	0.45	11	1977			
16	1.29	33	1976			
17	1.42	36	1977			
18	0.23	6	1975			
19	0.73	19	1974			
20	6.70	170	1976			
21	1.20	30	1976			
22	0.24	6	1982			
23	0.83	21	1978			
24	3.50	89	1976			
25	0.36	9	1981			
26	0.94	24	1976			
27	0.17	4	1976			
28	0.28	7	1982			
29	0.41	10	1975			
30	0.12	3	1975			
31	1.60	41	1982			
Monthly	6.70	170	1976			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1973-1982

STATION

STATION NAME

YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.68	43	1982			
2	0.43	11	1979			
3	1.48	38	1982			
4	1.39	35	1978			
5	3.99	25	1976			
6	1.56	40	1979			
7	0.29	7	1979			
8	0.12	3	1981			
9	1.33	34	1979			
10	0.73	19	1974			
11	0.70	18	1979			
12	0.73	19	1979			
13	0.79	20	1979			
14	0.27	7	1979			
15	3.28	83	1973			
16	6.38	162	1973			
17	1.38	35	1981			
18	3.84	98	1975			
19	0.99	25	1975			
20	0.78	20	1981			
21	0.45	11	1975			
22	1.61	41	1976			
23	1.21	31	1981			
24	0.76	19	1981			
25	2.48	63	1981			
26	1.81	46	1981			
27	1.30	33	1975			
28	0.52	13	1981			
29	3.97	101	1979			
30	1.84	47	1976			
31						
Monthly	6.38	162	1973			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	16	1977			
2	2.58	66	1977			
3	1.36	35	1973			
4	1.13	29	1976			
5	3.59	91	1982			
6	1.72	44	1976			
7	1.77	45	1977			
8	1.07	27	1981			
9	0.83	21	1978			
10	1.19	30	1977			
11	0.62	16	1981			
12	0.31	8	1977			
13	0.84	21	1975			
14	0.89	23	1977			
15	1.05	27	1975			
16	0.12	3	1981			
17	1.87	47	1981			
18	0.69	18	1981			
19	0.31	8	1982			
20	1.20	30	1981			
21	0.91	23	1977			
22	0.90	23	1982			
23	1.22	31	1979			
24	0.61	15	1977			
25	0.76	19	1982			
26	1.38	35	1976			
27	3.09	78	1976			
28	2.03	52	1982			
29	1.74	44	1982			
30	0.33	8	1979			
31	0.35	9	1981			
Monthly	3.59	91	1982			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

DIEGO GARCIA ISLAND

1973-1982

STATION

STATION NAME

YEARS

NOVEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.11	28	1975			
2	1.08	27	1981			
3	0.30	8	1978			
4	2.84	72	1981			
5	3.12	79	1981			
6	1.17	30	1977			
7	1.16	29	1977			
8	0.36	9	1982			
9	0.67	17	1981			
10	0.40	10	1976			
11	0.60	15	1979			
12	1.54	39	1976			
13	0.53	13	1982			
14	0.96	24	1982			
15	2.84	72	1976			
16	1.37	35	1976			
17	0.78	20	1976			
18	0.35	9	1982			
19	1.86	47	1982			
20	0.17	4	1976			
21	0.71	18	1982			
22	0.28	7	1982			
23	0.09	2	1976			
24	0.89	23	1981			
25	0.81	21	1975			
26	2.63	67	1975			
27	0.57	14	1977			
28	1.74	44	1977			
29	1.50	38	1975			
30	0.70	18	1976			
31						
Monthly	1.12	79	1981			

DECEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.85	22	1977			
2	3.14	80	1982			
3	0.92	23	1975			
4	1.69	43	1979			
5	1.09	28	1981			
6	1.26	32	1981			
7	0.28	7	1979			
8	0.76	19	1974			
9	1.50	38	1982			
10	0.58	15	1981			
11	0.92	23	1976			
12	0.84	21	1976			
13	0.95	24	1981			
14	3.56	90	1981			
15	0.55	14	1981*			
16	0.97	25	1974			
17	0.80	20	1982			
18	0.32	8	1981			
19	0.68	17	1975			
20	2.40	61	1977			
21	1.40	36	1977			
22	2.02	51	1977			
23	0.95	24	1982			
24	1.25	32	1977			
25	3.27	83	1979			
26	0.36	9	1974			
27	1.39	35	1981			
28	1.30	33	1981			
29	3.63	92	1978			
30	0.83	21	1979			
31	0.98	25	1982			
Monthly	3.63	92	1978			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

Wach, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-82

YEARS

[illegible]

SMOS

EXTREME VALUES

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-87

YEARS

[illegible]

SMOS

2

7404037

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	DATE
	ALL WEATHER	74-75	
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0									7.0	1.1
NNE	.0	.0	.0									1.0	4.7
NE		.0										.0	4.0
ENE	.0	.0	.0									1.0	.0
E	.0	1.0	.0									1.0	1.0
ESE	.0	.0	.0	.0								1.0	5.0
SE	.0	1.0										0.0	7.0
SSE		1.0										1.0	4.0
S	.0	1.0	.0									2.0	5.0
SSW		.0	.0									1.0	4.0
SW	.0	.0		.0								1.0	4.0
WSW	.0	1.0	1.0	1.0								1.0	4.0
W	.0	.0	.0	.0	.0							10.0	7.0
WNW	.0	.0	.0	1.0	.0							14.0	4.0
NW	.0	.0	.0	2.0	1.0							11.0	4.0
NNW	.0	.0	.0	.0	.0							2.0	4.0
VARBL												16.7	
CALM													
	1.0	2.0	2.0	10.0	2.0							17.0	5.0

TOTAL NUMBER OF OBSERVATIONS 114

SMOS

E
2NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	DATE
771	ST. GARCIA ISLAND	74-79	JAN
CLASS		MONTH	
ALL WEATHER		1974	
CONDITION		HOURS (LST)	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	2.2	1.1	0.1								4.0	6.0
NNE	0.1	0.1										1.1	4.0
NE	1.1	0.1										1.1	3.3
ENE	0.1	0.1	0.1									1.1	3.0
E				0.1								0.1	12.0
ESE	1.1	1.1	0.1	0.1								3.0	5.3
SE	1.1	0.1		0.1								2.2	5.3
SSE	1.1	1.1										2.7	3.0
S	0.1	2.2	1.1									3.0	5.1
SSW	1.1	0.1										1.1	2.7
SW	1.1	0.1	0.1									2.7	4.4
WSW	1.1	1.1	1.6									4.0	5.1
W	0.1	5.4	0.1	7.0	0.1							12.0	3.0
WNW	0.1	2.2	0.1	3.2	1.6							12.4	5.4
NW	0.1	5.4	2.2									10.0	5.0
NNW	0.1	2.7	2.7	1.6								7.0	7.6
VARBL													
CALM												10.7	
	27.4	26.9	19.9	14.0	3.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

156

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STENO GARCIA ISLAND STATION NAME 74-79 YEARS 74
MONTH 03
CLASS ALL WEATHER
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.5									3.7	4.5
NNE	1.1	1.1										2.2	7.4
NE		1.1										1.1	5.5
ENE		.5	.5									1.1	5.7
E		1.1	.5	.5								2.2	7.2
ESE	1.1	1.1	1.1									3.3	5.6
SE			.5									.5	5.6
SSE	.5	2.2	.5									3.3	4.3
S	1.1	2.2		.5								4.3	4.3
SSW	1.1	.5		.5								2.2	5.3
SW	.5	1.1	.5	.5								3.3	6.5
WSW	.5	2.2	1.1	1.1	1.1							5.5	9.1
W	2.2	7.7	5.9	4.3	1.1							20.4	5.1
WNW		1.1	3.3	5.5								10.5	10.5
NW		2.2	5.4	.5								9.7	7.1
NNW	1.1	2.2	6.5	1.1								11.7	7.1
VARBL													
CALM												10.5	
	17.1	30.6	26.9	15.1	2.2							100.7	6.5

TOTAL NUMBER OF OBSERVATIONS 126

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STENO GARCIA ISLAND STATION NAME 74-79 YEARS JAN
 CLASS ALL WEATHER MONTH 11
 CONDITION HOURLY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	1.6									5.4	5.9
NNE	1.1	3.2										4.8	4.2
NE	.7	.7										1.1	4.0
ENE		.7	1.1	.5								2.7	5.3
E	1.1	3.2										4.8	4.8
ESE		1.6	1.1									2.7	6.6
SE		1.1	1.6		.5							3.2	5.3
SSE		1.1										1.1	5.3
S		1.6	.5									3.2	6.6
SSW	1.1	2.7	.5	.7								4.8	5.7
SW	3.2	1.6		.5								5.4	5.6
WSW	.7	3.2	3.6	1.1								10.2	5.6
W	1.1	4.8	10.2	7.0	.5							23.7	9.3
WNW	1.1	3.2	4.8	2.7	1.1							12.5	9.5
NW	.5	1.1	2.2	2.7								6.5	9.5
NNW		2.7	3.2	1.1								7.5	9.3
VARBL													
CALM												2.7	
	12.4	34.0	31.2	14.1	2.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 176

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
7-1

STATION NAME
SIEGO GARCIA ISLAND

74-75

YEARS

JAN
MONTH

ALL WEATHER
CLASS

14

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	1.1	.5	.5							5.2	6.7
NNE	.	.5										1.1	3.5
NE	1.1	.5	1.1									3.2	4.2
NNE		1.2	2.2	.5								4.3	7.4
E		1.7	1.6									3.3	6.6
ESE		.	1.1									1.1	7.3
SE		.										.5	4.5
SSE			1.1									1.1	7.5
S	1.1	1.1										2.2	3.4
SSW	.	2.7	1.6	1.1								5.5	7.2
SW		2.2	.5	1.1								4.3	7.6
WSW	1.1	4.3	2.2	.5								6.1	6.3
W	1.1	5.5	6.5	5.5								20.4	2.3
WNW	.5	2.2	4.3	5.6	1.1							17.7	10.7
NW	.	2.2	4.7	2.2	.5							9.7	8.9
NNW	.5	2.2	2.7	2.2								7.5	8.6
VARBL													
CALM												1.1	
	2.1	34.4	32.1	22.5	2.2							170.7	7.6

TOTAL NUMBER OF OBSERVATIONS

186

SMOS

E
2NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

771	LAKE O GARCIA ISLAND	74-79	JAN
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			17
CLASS			HOURLY (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	.5	.5								5.4	5.7
NNE	.5	.5	.5									1.5	6.3
NE	1.1	1.1										2.2	3.5
ENE	1.1	1.1										2.2	4.5
E	.5	2.7	.5									3.7	5.6
ESE	1.1	2.7	.5									4.3	4.5
SE		.5										.5	6.0
SSE		.5										.5	4.5
S	1.1	3.2	.5									5.2	4.5
SSW	.5	1.1										3.7	2.7
SW	1.1	1.1	1.1	.5								4.3	5.7
WSW	1.1	3.2	3.2	1.1								8.7	6.5
W	1.1	4.3	7.5	5.7	1.1							20.4	9.3
WNW	1.1	3.2	3.2	9.1								17.7	9.3
NW		1.1	4.3	2.7								8.5	9.4
NNW	1.1	3.2	3.2	.5								8.1	5.7
VARS													
CALM												1.1	
	17.2	34.4	25.7	20.4	1.1							170.7	7.2

TOTAL NUMBER OF OBSERVATIONS 176

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 STATION NAME DIEGO GARCIA ISLAND YEARS 74-75 JAN 20
 MONTH JAN NORTH
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1									4.0	4.8
NNE		1.1	.5									2.7	5.2
NE		1.1	.5	.5								2.7	6.5
ENE	.5	.5										1.1	3.5
E	1.1		.5									1.1	4.0
ESE	1.1	1.1										2.7	4.0
SE	1.1	.5	.5									2.7	3.9
SSE	.5	2.7										4.0	3.3
S	.5	1.1										4.0	2.7
SSW	.5	1.1										1.1	4.0
SW	.5	1.1		.5								3.9	5.1
WSW	1.1	1.1	3.2	.5								6.5	7.1
W	1.1	2.7	6.1	4.3	.5							17.2	9.0
WNW	.5	3.2	7.7	3.2	.5							16.1	8.5
NW	.5	3.2	4.8	1.1	.5							11.8	7.2
NNW	.5	3.2	2.7	.5								8.6	6.4
VARB												8.1	
CALM													
	24.2	26.3	29.0	10.8	1.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 270 STATION NAME CTERO GARCIA ISLAND YEARS 74-75 MONTH JAN
STATION CLASS ALL WEATHER HOURS 27
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	.5									4.0	4.1
NNE	1.0	2.2	.5									4.0	4.1
NE	.5											.5	2.0
NNE	.5	1.1										1.0	4.0
E	.5	1.1										1.0	4.0
ESE	.5	1.1	.5									2.0	4.0
SE	.5											3.0	2.0
SSE	.5	.5	1.1									3.0	3.7
S	.5	.5	.5									1.0	5.3
SSW	1.1	1.1	.5		.5							3.0	6.7
SW	1.1	.5	1.6									3.0	5.5
WSW	.5	1.6	1.1	1.0								4.0	7.6
W	.5	5.4	3.2	4.3	.5							16.7	7.3
WNW	.5	7.9	3.8	2.7	.5							11.3	5.6
NW	.5	7.0	4.3	1.1								14.0	6.2
NNW	.5	2.2	2.2	1.1								7.0	5.4
VARB													
CALM												14.5	
	22.5	30.6	19.9	10.9	1.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 156

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STEPHEN GARCIA ISLAND STATION NAME: YEARS: 1974-1975
STATION: NORTH
CLASS: ALL WEATHER
CONDITION: ALL
HOURS (LST):

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	1.1	.7	.1							5.0	5.4
NNE	.5	1.6	.7									2.0	4.4
NE	.5	.7	.2	.1								1.0	4.4
NNE	.4	.5	.4	.1								2.0	5.2
E	.5	1.6	.5	.1								2.0	5.7
ESE	.5	1.1	.7	.1								2.0	5.4
SE	.5	.5	.2	.1	.1							1.0	4.7
SSE	1.1	1.2	.7									2.0	4.0
S	1.2	1.7	.4	.1								3.4	4.5
SSW	1.0	1.3	.4	.7	.1							3.0	5.3
SW	1.1	1.3	.5	.7								3.0	5.5
WSW	1.1	2.4	2.2	.2	.1							6.0	6.8
W	1.1	5.3	6.5	5.4	.6							19.0	6.5
WNW	1.1	3.2	4.2	4.7	.9							14.1	5.5
NW	1.7	3.4	3.0	1.7	.3							10.7	7.5
NNW	1.7	2.6	2.4	1.1								5.4	7.1
VARBL													
CALM												0.9	
	17.6	20.9	25.5	15.7	2.1							170.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1408

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01070 GARCIA ISLAND STATION NAME 74-79 YEARS FEB
MONTH 20
HOURS (LST) 1200

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.4	.4									3.0	5.6
NNE		.4	1.2									1.6	7.0
NE	.4											.4	7.0
ENE			1.2									1.6	6.5
E	.4	1.2	.4									2.0	4.5
ESE	1.2	.4										1.6	3.0
SE	1.2	1.2	1.6									4.0	5.0
SSE	2.4	1.2	.4									4.0	7.0
S	.4	1.2	1.2									3.6	5.8
SSW	.4	.4	1.2									4.0	4.0
SW	.4		.4									3.6	3.5
WSW	.4	1.2	3.6	.4								6.0	7.4
W	.4	.4	6.0	3.6								17.6	7.0
WNW	1.2	6.4	6.0	1.2								14.0	7.0
NW	1.2	4.0	4.0	2.4								12.0	6.5
NNW	1.2	1.2	1.2	.4								5.6	6.6
VARB													
CALM												11.6	
	22.0	26.4	31.0	9.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 158

SMOS

44-38861-102

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	DIE D GARCIA ISLAND	74-75	YEARS	MONTH	HOURS (L S Y)
	STA. JOB NAME	ALL WEATHER			
		CLASS			
		CONDITION			

[illegible]

TOTAL NUMBER OF OBSERVATIONS	156
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SMOS

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2
700000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: GALEIA ISLAND YEARS: 74-79 MONTH: ALL
CLASS: ALL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	1.2	.7								3.0	7.8
NNE	1.2											1.2	2.2
NE		.6										1.2	7.8
ENE	.7		.6									1.2	4.7
E	.7	1.2		1.2								3.0	7.7
ESE	1.2	1.2	.6									3.0	6.0
SE	.7			.7								1.2	6.5
SSE		2.4	1.2									4.6	5.4
S	1.2	1.2	.6									7.7	4.5
SSW													
SW	2.4	1.2	.6									4.1	4.0
WSW		2.4	1.2			.7						3.0	4.9
W	2.4	5.3	7.7	3.4	1.2							20.7	7.3
WNW	2.4	7.7	5.3	2.4								13.0	7.5
NW	.7	4.1	7.7	1.2								4.6	7.0
NNW	1.2	1.2	2.4	1.2								5.7	4.5
VARBL													
CALM												7.7	
	11.2	20.7	30.2	11.2	1.2	.7						10.0	5.4

TOTAL NUMBER OF OBSERVATIONS 107

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 74-75 MONTH 14
CLASS ALL WEATHER HOURS 11 5 T
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		7.6	1.7	1.7								1.0	7.6
NNE	1.7	1.7	.7	.7								3.0	1.7
NE		.7										.7	.7
ENE			.7									.7	.7
E	1.7	3.0	.7	1.7								7.0	1.7
ESE		1.7	1.7									3.4	1.7
SE		1.7	.7									2.4	1.7
SSE			1.7									1.7	1.7
S	.7	3.0										3.7	3.0
SSW		3.0	1.7									4.7	1.7
SW	.7	.7	1.7									3.0	1.7
WSW	1.7	4.7	1.7	.7								8.4	1.7
W	1.7	7.6	.7	7.6								17.6	1.7
WNW		1.7	.7	5.3	.6							7.6	1.7
NW		.7	5.3	2.4								8.4	1.7
NNW	1.7	1.7	1.7	3.0	.6							8.4	1.7
VARB.													
CALM												1.0	
	1.7	37.7	37.7	10.7	1.2							10.7	7.7

TOTAL NUMBER OF OBSERVATIONS 14

SMOS



2

7408412

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	SAVIA ISLAND	YEARS	1974-1975	MONTH	17
CLASS				HOURS (LST)	
CONDITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	4.1										4.1	4.1
NNE		1.0										1.0	4.1
NE	.0	1.0	.0									2.0	4.1
ENE	.0	.0	.0									2.0	4.1
E		.0	1.0									1.0	4.1
ESE	.0	.0	1.0									2.0	4.1
SE		1.0	1.0									2.0	4.1
SSE	.0	.0	.0									1.0	4.1
S		.0	1.0									2.0	4.1
SSW	.0	.0	1.0	.0								2.0	4.1
SW	.0	.0	.0									2.0	4.1
WSW	.0	.0	1.0									2.0	4.1
W	.0	.0	1.0	1.0								3.0	4.1
WNW		1.0	.0	.0								2.0	4.1
NW	.0	1.0	4.1	8.2								13.3	4.1
NNW			.0	1.0	.0							2.0	4.1
VARBL												1.0	4.1
CALM												1.0	4.1
	11.2	73.7	4.1	12.4	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 145

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: US-12 ISLAND YEARS: 19-20 MONTH: ALL
CLASS: ALL WEATHER
CONDITION:
HOURS (L S Y):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0									1.0	4.7
NNE		2.0	0.0									2.0	5.0
NE		0.0										2.0	5.3
ENE		1.0										1.0	4.8
E	0.0	2.0	0.0	0.0								4.0	5.7
ESE	0.0	0.0										2.0	5.5
SE	0.0	2.0	1.2									4.0	4.9
SSE	0.0	2.0	1.0									4.0	5.6
S	0.0	3.0	1.2									6.0	5.0
SSW	1.0	1.2	1.2	0.0								4.0	5.0
SW	1.0	0.0										1.0	5.7
WSW	0.0	1.0	4.7	0.0								7.0	7.0
W	0.0	4.7	5.0	1.0								10.0	5.7
WNW	0.0	1.2	5.1	4.0								10.0	7.0
NW	1.0	0.0	0.1	1.0								10.0	5.5
NNW	1.0	1.2	1.2	1.0								4.0	7.0
VARBL													
CALM												5.0	
	1.0	34.3	37.0	10.7								100.0	

TOTAL NUMBER OF OBSERVATIONS 163

SMOS



2

14684432

3225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	DATE
	GARCIA ISLAND	74-76	
CLASS			NORTH
			2
CONDITION			HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												3.0	5.3
NNE												3.0	5.0
NE												1.2	5.0
ENE												1.2	5.5
E		1.0										2.4	4.5
ESE												.8	5.0
SE		1.2										3.0	3.3
SSE		1.0										3.0	3.3
S			1.0									6.0	3.3
SSW			2.4									3.0	6.0
SW			.8									3.0	3.7
WSW			2.0	1.0								5.0	4.7
W			6.0	1.0	.6							17.0	5.7
WNW			4.2	7.0	1.0							9.0	7.8
NW			7.0	4.0	2.0							12.0	5.0
NNW			1.0	2.4	.8							5.4	7.0
VARBL													
CALM												14.0	
	17.0	20.3	27.8	6.0	.6							10.0	5.4

TOTAL NUMBER OF OBSERVATIONS 169

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME GARCIA ISLAND YEARS 74-76

STATION ALL WEATHER MONTH ALL

CLASS ALL

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	.7	.0								3.4	6.0
NNE	.0	1.4	.3	.1								2.8	6.0
NE	.0	.7	.4									1.1	6.4
ENE	.0	.7	.7	.1								1.5	6.1
E	.0	2.4	1.0	.4								4.4	6.1
ESE	.0	1.7	1.1									2.8	6.3
SE	.0	1.7	.7	.1								2.5	5.1
SSE	.0	1.7	1.2									3.4	5.1
S	1.7	2.7	1.7									4.4	5.2
SSW	1.0	1.0	1.2	.7								4.2	5.6
SW	1.7	1.4	.7	.1								4.0	4.8
WSW	.0	2.0	2.0	.7		.0						7.7	7.1
W	.0	5.0	7.0	2.6	.2							15.7	7.7
WNW	1.0	2.7	.1	2.6	.2							13.7	7.4
NW	.0	3.3	3.6	2.4	.1	.1						11.7	7.8
NNW	1.7	1.7	2.1	1.7	.1							7.0	6.7
VARB													
CALM												7.0	
	1.4	33.7	31.7	11.0	.7	.1						100.1	6.4

TOTAL NUMBER OF OBSERVATIONS 1348

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME KEY - GARCIA ISLAND YEARS 74-75 MONTH MAY

ALL WEATHER CLASS

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.5	2.0								3.0	10.5
NNE													
NE	.5	1.1										1.6	7.3
ENE	.5	1.1										3.0	1.3
E	.5	1.1	.5									2.2	5.0
ESE		2.0	1.0									1.5	6.3
SE	.5		1.1									4.0	3.0
SSE	.5	1.0	.5									3.0	4.7
S	.5	3.0	1.1									3.1	4.4
SSW	.5	1.5	1.1									3.2	4.6
SW		1.1	1.5	.5								3.3	5.2
WSW	1.1	.5	2.2	.5								4.3	7.6
W	1.1	3.5	3.1	2.7								12.4	7.9
WNW	.5	2.2	4.0	1.6	.5							9.0	5.0
NW	.5	2.2	4.0	1.1	.5							9.7	3.4
NNW	.5	2.2	1.1	1.5	.5							6.5	7.8
VARBL													
CALM												14.0	
	17.7	27.6	29.6	10.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 135

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STATION NAME YEARS: 74-79 MONTH: 11
CLASS: ALL WEATHER OF: 25
CONDITION: NOISE (L & S)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.2	1.1	1.1								4.0	7.7
NNE	1.1											1.0	2.3
NE													
NNE	1.1											1.1	2.5
E	1.1	1.0	.5									3.0	4.7
ESE	1.1	2.7	.5	.5								4.0	5.0
SE	1.2	1.1	.5									4.0	3.6
SSE	1.7	1.6	1.1	.5								5.0	4.6
S	.1	1.2										3.0	4.4
SSW	1.1	2.2	1.6									5.4	5.3
SW	.1	2.7	1.1	.5								4.0	6.1
WSW	1.1	1.6	2.2									4.0	6.1
W	1.1	5.0	7.5	3.2	.5							18.0	7.6
WNW	1.1	1.6	1.6	1.1		.1						5.0	8.9
NW	.1	1.6	4.0	2.7								11.0	3.2
NNW		2.7	1.6	2.2								6.5	8.5
VARIABLE													
CALM												11.3	
	11.5	32.5	21.7	11.6	.5	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 185

SMOS

2
1406442

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-79 DISCO GARCIA ISLAND STATION NAME 74-79 YEARS 41
 CLASS ALL WEATHER PORT 79
 OBSERVATION 79 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0									4.3	5.8
NNE													
NE		1.0	.5									2.7	5.6
ENE												.7	1.0
E		2.0	1.1	1.1								5.2	5.5
ESE		1.0	1.1	.5								4.6	5.6
SE		.7	2.0	.5								5.4	4.0
SSE		1.1	3.0	1.5	.5							6.5	5.5
S		.3	4.3									6.5	4.2
SSW		1.0	1.0	2.2								5.4	5.4
SW		1.0	.5	1.6								3.5	5.7
WSW		.7	2.7	2.2	.5							5.0	6.1
W		.7	3.0	3.0	2.2							12.4	7.7
WNW		.7	1.5	2.7	2.7	.5						8.1	9.8
NW		.5	1.5	5.5	1.5							9.7	3.4
NNW		.7	3.2	3.2	1.5	.5						10.3	7.0
VARS													
CALM												7.5	
	1.0	32.3	2.0	11.3	1.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74701 DIEZ GARCIA ISLAND STATION NAME 74-79 YEARS
CLASS ALL WEATHER
CONDITION
MAP NORTH
11
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.7	2.2	1.7	.5							7.5	9.1
NNE		.5	1.1									1.5	7.3
NE	.5	2.2										2.7	4.2
ENE	1.7	.5	1.1									3.2	5.0
E	1.7	3.2	2.7	1.1								9.7	6.1
ESE		1.1	2.2									3.2	6.7
SE		1.1	1.1									2.7	6.2
SSE	1.1		1.1	.5								2.7	6.6
S	.5	1.1	4.0									6.5	7.0
SSW	1.1	2.7										4.3	3.9
SW	.5	4.0	1.1									6.5	5.5
WSW	1.1	3.2	.5									5.4	5.1
W	.2	1.5	2.6	2.2								19.4	7.1
WNW	.5	1.6	1.4	3.2	1.1							11.5	7.9
NW	.5	.5	1.6	4.3	.5	.5						8.1	11.7
NNW			1.6	1.6								3.2	10.5
VARB.													
CALM												1.1	
	1.4	3.3	34.0	14.5	2.2	.5						100.1	7.3

TOTAL NUMBER OF OBSERVATIONS 126

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STEFAN GARCIA ISLAND YEARS 74-75 NORTH 10
CLASS ALL WEATHER HOURS (LST) 10
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.5	2.2								4.3	3.9
NNE	.5	.5	.5									1.5	6.8
NE	1.1	1.1		.5								2.7	5.8
ENE	.5	1.1										4.3	4.9
E	.5	1.1	1.1	1.1								6.5	7.9
ESE		1.1	.5									2.2	5.5
SE		1.1	1.1									2.7	7.2
SSE	1.1	1.1	1.1	.5								3.3	6.3
S	.5	1.1	1.1	.5								3.3	6.4
SSW	1.1	1.1	2.7									4.3	6.0
SW	.5	2.2	2.7									5.4	6.3
WSW	1.1	1.1	1.1	1.1								11.1	5.4
W	1.1	5.0	5.1	2.2								17.7	7.7
WNW	.5	2.7	4.3	7.2	1.1							12.4	9.4
NW	.5	.5	2.7	3.3	1.6							9.1	11.1
NNW		2.2	2.2	2.2								6.5	9.3
VARIABLE													
CALM												1.1	
	12.2	36.7	32.3	17.2	2.7							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 136

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
DIEZ GARCIA ISLAND

74-79

YEARS

MONTH

NORTH

ALL WEATHER

CLASS

17

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.5	.5								2.7	6.6
NNE	.1	1.1	.5									2.3	5.3
NE	1.1											1.1	2.5
ENE	1.1	2.7										2.3	4.3
E	1.1	3.2	1.6	.5								7.1	5.1
ESE	.1	2.7	1.1									4.3	5.5
SE		1.6	.5	.5								2.7	7.3
SSE	.1	2.2										2.7	4.3
S	1.1	3.2	1.1									5.9	3.4
SSW	.1	1.6	2.7									6.5	3.8
SW	.1	3.2	1.6									8.3	4.9
WSW	.1	2.2	2.2	1.1								7.1	7.1
W	1.1	4.3	5.9	2.7	.5							14.6	5.7
WNW	.1	2.2	5.4	3.2	.5	.1						12.4	10.1
NW	1.1	.5	5.4	2.7	1.1							10.6	10.2
NNW		1.6	.5	3.8								5.1	10.1
VARBL													
CALM												7.2	
	11.1	36.3	23.0	15.1	2.2	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

16

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 74-14 STATION NAME ALL WEATHER YEAR 1974 MONTH 1
CLASS ALL WEATHER HOURS (LST) 0000-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	2.2									2.4	6.6
NNE	.1											.1	7.5
NE		1.1										1.1	7.5
NNE	.1	1.1	.5									2.7	4.7
E	1.1	1.1	1.1	.1								4.4	5.9
ESE	.1	2.2	1.1									4.4	5.9
SE	1.1	2.2										4.4	5.9
SSE	.1	1.1	1.1									2.2	5.9
S	2.2	5.5	1.1									8.8	4.4
SSW	1.1	2.2	1.1									4.4	4.4
SW	.1	.1	1.1	.1								2.2	5.9
WSW	1.1	2.2	1.1									5.5	5.9
W	1.1	4.4	1.1	2.2	1.1							17.7	5.9
WNW	.1	1.1	5.5	1.1	.5							11.1	5.9
NW	.1	2.2	4.4	1.1	.5							8.8	5.9
NNW		1.1	2.2	.5								3.3	7.5
VARBL													
CALM												11.1	
	17.7	31.7	21.2	6.6	2.2							17.7	5.9

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ALL FLATHE YEARS 74-79 MONTH 2

CLASS ALL FLATHE HOURS (L.S.T.) 2

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.0	.0	.0	.0							4.0	7.3
NNE	.0			1.1								1.1	4.0
NE	.0	.0										1.1	2.5
ENE		1.1										1.1	4.0
E		1.0	1.0									2.0	4.3
ESE	.0	1.1	1.1	.0								3.0	6.7
SE	.0	2.0										7.0	4.5
SSE	.0	2.0	1.1									5.0	4.4
S	.0	2.0	.5									5.0	4.0
SSW	.0	2.0	.0									2.0	4.0
SW	.0	2.0										3.0	4.0
WSW		.0	1.0	1.1								6.0	7.1
W	.0	7.0	4.0	2.0								13.0	7.0
WNW	.0	1.0	2.0	2.0	.5							9.0	4.3
NW	1.1	2.0	2.0	1.1	.5							7.0	6.0
NNW	1.1	1.1	2.0	2.0								7.0	6.2
VARBL													
CALM												17.4	
	27.4	34.4	14.7	11.0	1.6							100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 174

SMOS

19
2
7466432

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1961-1962 MONTH ALL
 CLASS ALL
 CONDITION ALL
 HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.1	1.1	.1							4.4	1.1
NNE	.1	.1	.1	.1								1.1	1.1
NE	.1	.1	.1	.1								1.1	4.5
ENE	.1	1.1	.1									2.1	4.2
E	1.1	2.1	1.1	.1								5.4	6.2
ESE	.1	.1	1.1	.1								3.1	6.1
SE	.1	1.1	.1	.1								4.1	4.1
SSE	1.1	1.1	.1	.1								4.1	5.1
S	.1	1.1	1.1	.1								6.1	4.9
SSW	1.1	2.1	1.1									4.1	5.2
SW	.1	2.1	1.1	.1								4.1	5.7
WSW	.1	.1	1.1	.1								3.1	5.3
W	1.1	5.1	1.1	2.1	.1							16.1	7.7
WNW	.1	1.1	4.1	2.1	.1	.1						10.1	7.4
NW	.1	1.1	.1	2.1	.1	.1						9.1	5.3
NNW	.1	1.1	1.1	2.1	.1							6.1	5.5
VARB													
CALM												7.1	
	1.1	33.1	21.1	17.1	1.1	.1						10.1	6.4

TOTAL NUMBER OF OBSERVATIONS 1417

SMOS

E
2

7/16/62

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME PTA- CIA ISLAND YEARS 74-75 MONTH APR

CLASS ALL WEATHER

CONDITION

NO. OF HOURS 115

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7								1.7	1.7
NNE	.											.	2.0
NE													
ENE		.	.	.								3.7	5.0
E	1.7	1.7	2.0									5.4	5.4
ESE	.1	.	2.0	.								2.8	5.0
SE	.1	1.7	2.0	2.0								17.7	5.4
SSE	.1	4.4	1.7									11.7	5.0
S	.1	4.4	2.0	.								6.7	5.1
SSW	1.7	1.7	.6									3.7	5.0
SW	1.7	2.0	1.7									5.4	5.0
WSW	.	2.0	.6									2.8	5.0
W	1.7	1.7	2.0	1.7		.						6.7	5.0
WNW	.	.	.6	1.7								3.7	5.0
NW	1.7		1.7	1.7								5.4	7.0
NNW		.		.	.							1.7	11.7
VARBL													
CALM												17.7	
	1.7	31.7	7.6	2.4	.6	.7						10.7	5.0

TOTAL NUMBER OF OBSERVATIONS 115

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1954-55 MONTH 10
CLASS 1000 HOURS 11 15 17
CONDITION 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.7	1.0
NNE	10.7	1.0
NE	.	1.0	.	.	.	.	.	.	.	.	.	10.7	1.0
NNE	10.7	1.0
E	.	1.0	1.0	.	.	.	.	.	.	.	.	20.7	1.0
ESE	10.7	1.0
SE	.	.	.	1.0	.	.	.	.	.	.	.	14.7	1.0
SSE	17.7	1.0
S	.	.	1.0	.	.	.	.	.	.	.	.	10.7	1.0
SSW	.	.	1.0	.	.	.	.	.	.	.	.	10.7	1.0
SW	10.7	1.0
WSW	1.0	1.0	1.0	.	.	.	.	.	.	.	.	10.7	1.0
W	10.7	1.0
WNW	.	.	.	1.0	.	.	.	.	.	.	.	10.7	1.0
NW	.	.	1.0	.	.	.	.	.	.	.	.	10.7	1.0
NNW	.	.	.	1.0	.	.	.	.	.	.	.	10.7	1.0
VARBL	10.7	1.0
CALM	10.7	1.0
	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.7	1.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

E
2
NAWSAD
1275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER	74-79	
	CLASS		HOURLY LLST
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									2.1	1.0
NNE			.7									2.1	1.0
NE			.7									2.1	1.0
ENE	.7	1.7	.1									2.5	1.0
E	.7	.7	.7	1.1								3.2	1.1
ESE	.7	.7	.7	.7								3.2	1.1
SE	.7	.7	.7	1.7								3.8	1.7
SSE	.7	.1	.1	1.1								1.8	1.0
S	.7	.7	.7	.7								11.7	1.3
SSW	.7	1.7	.7	.7								4.8	1.8
SW	.7	.7	.7	.7								3.8	7.4
WSW	.7	.7	1.7	1.1								7.7	7.7
W	.7	.7	1.7	.7								5.6	5.6
WNW	.7	.7	.7	1.7								1.8	12.1
NW	.7	.7	.7	.7	.7							1.7	12.3
NNW	.7	.7	.7	1.7	.7							1.7	12.3
VARBL													
CALM												1.0	
	1.7	1.1	1.7	1.7	.7							12.1	1.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



2

7408432

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	11000001A TSLB	74-76	AF
STATION NAME	ALL WEATHER	YEARS	MONTH
CLASS			11
CONDITION			HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.1	1.1								2.0	6.2
NNE			.1									.1	10.8
NE	.1											.1	1.2
ENE	.1	1.7	.1									2.0	4.3
E	.1	4.8	1.7	.1								11.1	6.6
ESE	.1	1.1	3.7	2.2								17.0	7.8
SE	1.7	1.7	1.1	1.1								6.0	7.1
SSE	.1	2.2	4.1	2.2								10.3	7.7
S	.1	4.8	1.1	.1								11.0	7.7
SSW	.1	7.2	1.1									8.6	7.3
SW	.1	.1	1.7									7.1	6.1
WSW	1.1	2.2	1.7	.1								6.7	5.7
W		1.1	.1	1.1								2.0	9.5
WNW	.1		.1	1.1								3.0	9.3
NW			1.1	.1								1.7	11.0
NNW	.1	.1	.1	1.1								1.1	7.8
VARBL													
CALM												2.0	
	1.1	21.1	41.1	17.0								17.0	6.9

TOTAL NUMBER OF OBSERVATIONS 132

SMOS

E
2

1586437

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1010154 DIA TOLSON YEARS 1961-62 MONTH 12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.1	.								3.7	7.7
NNE		1.1										1.1	7.7
NE	.	.7										1.1	4.7
ENE	.	1.1										1.7	4.7
E	.	.7	.7	.7								1.7	4.7
ESE	.	1.7	7.7	2.								14.7	7.7
SE		1.7	4.4	2.								8.	7.7
SSE	.	1.7	7.7	6.5								16.7	7.7
S	.	7.7	.1									10.7	7.1
SSW	.	7.7	1.7									7.7	4.5
SW	.	7.7	1.1									.	5.6
WSW		.	2.2	.4								6.7	7.1
W		.	1.7	7.7								.	10.7
WNW	.	.	1.1	.7	.6							.	7.2
NW	.	1.1		.7								.	4.5
NNW	1.1			1.1								2.7	7.7
VARBL													
CALM												7.7	
	11.1	30.4	47.8	15.6	.6							10.7	7.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17 STATION NAME DR. S. GARCIA ISLAND YEARS 74-79 AP 17
MONTH 17
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7		.4								3.2	4.3
NNE		.4										.4	5.8
NE		.4										.4	5.6
NNE		.4	1.1									1.7	6.3
E	1.7	3.3	5.6	.4								8.3	6.3
ESE	1.7	7.3	5.6									10.4	6.4
SE	.4	4.4	7.7	1.1								13.7	7.3
SSE	1.1	7.3	6.7									11.1	7.4
S	.7	5.7	6.7		.6							14.4	6.7
SSW	.2	5.6	1.1									8.0	4.4
SW		2.4	2.2									5.7	6.7
WSW	1.1	2.4	1.1									5.7	6.1
W	1.1	1.1	1.7	2.4								8.7	6.3
WNW		1.1		1.1								2.7	6.6
NW	.4		.6									1.7	7.0
NNW			.4	1.1								1.7	11.7
VARBL													
CALM												.4	
	17.3	36.1	37.2	7.2	.6							100	6.3

TOTAL NUMBER OF OBSERVATIONS 180

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STATION NAME 74-79 YEAR APR
ALL WEATHER MONTH APR
 CLASS ALL WEATHER HOURS 11 5 T
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	2.5
NNE													
NE													
ENE	.											2.5	2.5
E	2.2	2.2	2.2	1.1								8.3	5.1
ESE	2.2	4.4	2.2	1.1								12.1	5.4
SE	.	7.2	4.6		.6							19.9	5.8
SSE	.1	3.3	2.2									11.7	4.3
S	2.2	5.6	2.2									11.7	5.2
SSW	.	1.7	.6									2.3	3.7
SW	1.1	1.1	1.7									3.9	5.1
WSW		.6	2.2									2.8	7.6
W	.	2.2	1.7	1.7								6.1	7.9
WNW	1.1			.6								1.7	5.7
NW		1.1										1.1	4.5
NNW	.	1.1	1.7	1.7								5.7	5.0
VARBL													
CALM												10.	
	27.2	31.1	24.4	5.1	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 130

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	AP MONTH
74-10	PIE GARCIA ISLAND	74-10	27
ALL WEATHER CLASS			HOURLY (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										1.1	3.5
NNE	.1											.1	1.0
NE		.1	.1									1.1	3.5
ENE		1.2										1.2	4.7
E	1.1	2.2	1.7	1.1	.6							6.7	7.9
ESE	.4	5.3	1.7	1.1								15.6	5.7
SE	7.7	7.0	7.7	1.1								12.2	5.5
SSE	.1	6.4	7.7									16.1	7.0
S	7.7	7.0	1.7	.9								16.0	4.9
SSW	1.1	1.7	.6									3.3	4.7
SW	.1	1.1	.6									1.2	3.5
WSW	.1	1.7	1.3	.6								3.1	7.5
W		1.7	.6	1.1								3.3	7.5
WNW	.1		1.1	.1								2.3	9.0
NW	.1		.6	.1								2.3	7.0
NNW			1.1	.1	.6							2.3	12.0
VARBL													
CALM												17.7	
	20.0	33.1	22.3	7.2	1.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 140

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION OFF GARCIA ISLAND STATION NAME 74-19 YEARS SPR
ALL WEATHER NORTH
 CLASS ALL
 CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.4	.7								2.1	4.7
NNE	.1	.2	.2									.1	5.2
NE	.1	.3	.1	.1								.1	5.4
ENE	.1	1.2	.5	.1	.1							2.4	5.6
E	.1	2.7	2.9	.6	.1							8.1	5.5
ESE	.1	4.7	4.9	1.1								11.7	6.6
SE	.1	4.4	4.7	1.4	.1							13.4	6.3
SSE	.1	5.1	4.4	.8								13.7	6.2
S	.1	4.1	7.7	.2	.1							10.9	5.9
SSW	.1	2.4	1.2									4.7	5.3
SW	.1	1.1	1.3	.1								3.7	5.8
WSW	.1	2.2	1.1	.2								5.1	4.4
W	.1	1.7	1.5	1.7								5.4	5.1
WNW	.1	.7	.4	1.1	.1							2.7	9.2
NW	.1	.7	.7	.6	.1							2.7	7.8
NNW	.1	.1	.5	1.1	.1							2.6	5.6
VARB													
CALM												9.4	
	1.1	32.7	30.2	7.7	.6	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1440

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 74-10 STATION NAME: GARCIA ISLAND YEARS: 74-75

ALL WEATHER CLASS

CONDITION

NAVY MONTH: 15 HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.1	.5	.5									2.0	4.8
NE		.5		.5								1.1	5.5
ENE	.5	.5	.5									1.5	5.8
E		7.0	2.0	1.5								7.0	7.9
ESE	.5	5.0	1.0	1.1								21.0	7.0
SE	.1	5.0	11.0	1.0								27.4	6.7
SSE	.5	5.1	5.4	1.6								22.0	5.5
S	7.2	7.0	1.1									10.0	4.6
SSW	.5	.5	.5									1.5	5.3
SW													
WSW			.5									.5	7.0
W		.5										.5	4.0
WNW													
NW													
NNW													
VARBL													
CALM												3.0	
	27.7	32.5	33.3	6.5								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 144

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	DATE
	74-79		
CLASS		HOURS (L S T)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	21.7	34.2	32.3	7.8								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 186

SMOS

2

FORM 4432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-19 STATION NAME ISLE OF GARCIA ISLAND YEARS 74-79 HAV 41V
 CLASS ALL WEATHER MONTH SEP
 COORDINATE HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE												1.0	4.3
NE												0.7	5.0
ENE												1.0	4.7
E		2.7	1.0									5.0	6.9
ESE	1.0	4.0	1.0	1.1								19.4	7.4
SE	1.0	4.0	1.1	6.0								18.7	6.0
SSE	1.1	4.1	1.0	2.2								19.4	7.1
S	1.0	5.0	1.2	1.1								11.3	6.0
SSW	1.1	1.0	1.1									3.0	4.7
SW													4.0
WSW													4.0
W												0.0	5.0
WNW													
NW													
NNW													
VARBL													
CALM												2.0	
	1.1	35.5	47.5	10.0								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 126

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ST. GEORGIA ISLAND STATION NAME 74-79 YEARS MAY
 CLASS ALL WEATHER HOURS (LST) 11
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.1	0.0	0.0	0.0								2.0	0.4
ENE	0.0	1.1										2.0	0.7
E	1.1	3.0	0.4	1.1								10.0	0.8
ESE		4.8	1.7	0.0	0.0							12.5	0.7
SE		3.0	0.0	0.0	0.0							10.0	0.4
SSE	1.1	3.0	10.4	0.0								24.0	0.8
S	0.0	0.0	0.0									11.0	0.2
SSW	1.1	1.1	3.0									5.4	0.3
SW		0.0	0.0									1.1	0.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
	0.4	22.0	40.9	12.0	1.1							100.0	0.4

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

2

NAME

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (L & T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.1										1.1	1.3
ENE												1.1	1.3
E		7.7	7.7	1.1	1.1							12.3	1.7
ESE		4.4	1.4	7.7								7.7	1.7
SE		8.9	1.1	7.7	1.1							18.9	1.7
SSE		4.4	1.1	4.4								1.1	1.7
S	1.1	7.7	1.1									1.1	1.7
SSW		7.7	1.1									4.4	1.7
SW		1.1										1.1	1.7
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	1.1	11.1	4.4	11.1	1.1							1.1	1.7

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 771 STATION NAME: DENT DANCIA ISLAND YEARS: 74-75
CLASS: ALL WEATHER
CONDITION:
HOURS (LST):
MONT:
NORTH:
HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.1										1.1	
NE													
ENE		1.0	0.5									1.5	0.4
E		0.7	0.1									0.8	0.4
ESE		0.7	1.0	0.7								2.4	0.8
SE		0.5	0.1	0.7								1.3	0.7
SSE			1.0	1.1	0.5							2.6	1.1
S		0.7	0.7									1.4	1.1
SSW		0.7	0.7									1.4	1.1
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	0.0	1.0	4.0	11.3	0.5							17.8	1.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

2
7056 132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1961-1962 MONTH ALL
CLASS 1-2
CONDITION 1-2
HOURS 1-24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE		.										.	.
NE												.	.
ENE		.	1.1	.								.	.
E	.	1.	1.7	.								.	.
ESE	.	.	1.1	1.1								.	.
SE	.	1.	1.7	1.1								.	.
SSE	.	1.1	.	.								.	.
S	.	1.1	1.7	.								.	.
SSW		.	.	.								.	.
SW		.	.	.								.	.
WSW	.											.	.
W												.	.
WNW												.	.
NW												.	.
NNW												.	.
VARBL												.	.
CALM												.	.
	1.	7.7	37.	5.								1.	.

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

AD A 150 397

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
DIEGO GARCIA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC MAR 84

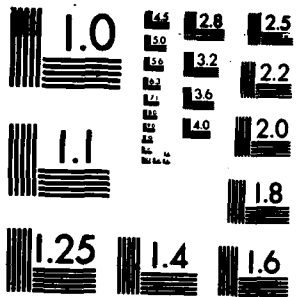
24

UNCLASSIFIED

F/G 4/2

Ni

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7771
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

27
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE		.5										.5	5.0
NE													
ENE	.5	.5										1.1	4.5
E	1.6	2.2	4.3	1.6								9.7	7.4
ESE	3.2	6.5	17.2	3.2								23.7	7.1
SE	6.7	11.8	12.9	1.6								32.3	6.3
SSE	4.3	5.9	7.8	1.1								15.1	5.5
S	1.1	3.8	3.2									8.1	6.1
SSW	.5	.5	.5									1.6	5.7
SW			.5									.5	8.0
WSW													
W	.5											.5	2.0
WNW													
NW													
NNW		.5										.5	5.0
VARBL													
CALM												6.5	
	12.3	32.3	35.5	7.5								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

126

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 771 STATION NAME DIEGO GARCIA ISLAND YEAR 74-79 MONTH MAY

CLASS ALL WEATHER

DESCRIPTION ALL

HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1										.1	3.5
NNE	.2	.5	.1									.9	4.8
NE	.2	.4	.1	.1								.9	6.2
NNE	.4	.7	.4	.1								1.6	5.3
E	.9	2.9	4.4	1.0	.1							9.2	7.3
ESE	2.0	5.6	11.3	3.4	.1							22.4	7.9
SE	3.4	7.5	11.0	4.4	.1							26.4	7.4
SSE	2.2	7.3	7.9	2.2	.1							20.6	6.7
S	1.3	4.7	4.4	.2								10.8	6.2
SSW	.7	1.4	1.2									3.3	5.6
SW	.1	.3	.2									.6	5.8
WSW	.1		.1									.3	4.8
W	.1	.2										.3	3.4
WWW	.1											.1	3.0
NW	.1											.1	2.5
NNW		.1										.1	5.0
VARBL													
CALM												2.5	
	10.0	31.7	41.1	11.5	.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1498

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 7 31
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

C2

NOON (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE													
NE													
NNE	.6											.6	2.0
E	1.1	2.2	2.8	2.2								8.3	7.9
ESE	2.2	6.7	12.8	7.8	.6							30.0	9.0
SE	3.9	9.4	13.9	4.4								31.7	7.2
SSE	6.0	3.3	7.2	1.7								17.2	6.6
S	.6	1.1	1.7									3.3	7.3
SSW		.6		.6								1.1	8.5
SW													
WSW	.6		.6									1.1	5.5
W		.6	.6									1.1	7.0
WNW													
NW													
NNW		.6										.6	4.0
VARIABLE													
CALM												4.4	
	13.9	25.0	39.4	16.7	.6							100.7	7.3

TOTAL NUMBER OF OBSERVATIONS 180

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7771
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E	.6	3.4	2.2	3.4								9.5	8.1
ESE	2.2	6.1	8.4	7.3								24.0	8.5
SE	6.6	11.7	11.7	6.7	.6							36.3	7.2
SSE	6.7	6.1	3.9	1.7								18.4	5.5
S	1.7	1.7	2.2	1.1								6.7	6.8
SSW													
SW		.6										.6	6.0
WSW			.6	.6								1.1	9.5
W		.3										.6	6.0
WW													
WNW													
NW													
NNW													
VARL													
CALM												2.3	
	16.5	30.2	22.1	20.7	.6							130.0	7.1

TOTAL NUMBER OF OBSERVATIONS

179

SMOS

E
2NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSJUN
MONTHALL WEATHER
CLASS

CE

MOON (L.S.T.)

OBSERVATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		1.1										1.1	5.0
NNE	.6	.6		.6								1.7	7.0
E		1.1	3.0	1.1								6.1	8.6
ESE	1.7	7.8	12.2	12.2								33.9	9.0
SE	1.4	5.6	15.0	8.9								33.9	8.2
SSE	1.3	2.8	5.6	1.7								13.3	6.8
S	1.7	.6	2.2	1.1								5.6	6.5
SSW	.6	1.1										1.7	4.0
SW			.6									.6	9.0
WSW			.6									.6	7.0
W	.6		.6									1.1	5.5
WSW		.6										.6	6.0
W													
WNW													
NW													
NNW													
VARB.													
CALM												.0	
	12.2	21.1	40.6	25.6								100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

180

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7771
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER

CLASS

11
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.5											.5	3.0
NE													
NNE	.5	.5										1.1	3.5
E		4.4	5.0	2.2								11.7	8.2
ESE	1.1	3.9	17.2	13.9	1.1							37.2	10.0
SE	.5	2.8	10.0	11.1	1.7							26.1	10.9
SSE		1.1	5.1	3.9								11.1	10.1
S	.5	1.7	5.0	.6								7.8	7.9
SSW		1.7	.6									2.2	5.5
SW			.6									.6	8.0
WSW			.6									.6	10.0
W			.5									.6	9.0
WNW			.5									.6	8.0
NW													
NNW													
VARS													
CALM												.5	
	3.3	16.1	46.1	31.7	2.8							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

180

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 1
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N													
NNE	.5											.1	1.0
NE		.5										.4	4.0
NNE	.5	.5	.6									1.7	5.0
E	.6	2.2	3.0	2.2								8.9	8.3
ESE	1.7	5.6	16.7	11.1	2.2							37.2	10.2
SE		1.1	17.6	0.6	.6							21.7	10.9
SSE	.5	2.8	5.6	3.9								12.5	9.2
S	1.1	4.4	4.4	2.2								12.2	7.6
SSW	.5	1.7										2.2	5.0
SW													
WSW		.5										.5	0.0
W		.5	.6									1.1	7.5
WNW			.6									.6	9.0
NW													
NNW													
VARIABLE													
CALM												.1	
	5.6	20.0	42.8	28.9	2.8							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 140

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-7-71
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.5											.5	3.0
NE	.5											.5	2.0
NNE													
E	.5	1.1	3.9	2.9								8.7	9.1
ESE	.5	5.6	16.7	9.4	.6							32.5	9.6
SE		6.1	12.2	10.0	.6							28.9	9.3
SSE	1.1	3.9	8.3	3.3								16.7	7.9
S	1.1	2.2	4.4	1.1								8.9	7.0
SSW	.5		.6									1.1	4.5
SW		.5										.5	6.0
WSW													
W		.5	1.1									1.7	8.3
WNW													
NW													
NNW													
VARB													
CALM												.0	
	5.0	20.0	47.2	26.7	1.1							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 190

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-7-71
STATION

DIE J GARCIA ISLAND
STATION NAME

74-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		.6										.6	4.0
ENE													
E	.8	1.1	1.1	.6								3.3	7.2
ESE	.6	7.2	16.1	6.1								32.0	8.2
SE	4.4	10.6	14.4	6.1	.6							36.1	7.7
SSE	.2	6.7	5.0	2.2								16.1	6.3
S	1.1	1.1	4.4									6.7	6.6
SSW	.4											.4	3.0
SW													
WSW													
W	1.1	.6	.6									2.2	5.3
WNW	.5											.5	2.0
NW													
NNW													
VARBL													
CALM												1.7	
	13.3	27.8	41.7	15.0	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 180

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1 STENO GARCIA ISLAND 74-79 JON
STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

23

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE												.4	13.0
E		1.7	1.7	2.2								5.6	5.7
ESE	1.1	7.8	12.2	8.9	.6							35.0	7.1
SE	.7	12.2	13.3	5.6								37.3	6.9
SSE	.5	5.6	5.6	1.1								12.7	7.3
S	2.2	3.0	1.7		.6							5.3	6.0
SSW			.6									.4	10.0
SW													
WSW	.4											.5	2.0
W			.4									.5	3.0
WNW			.4									.5	7.0
NW													
NNW													
VARBL													
CALM												2.7	
	11.1	31.1	36.7	17.8	1.1							100.7	7.5

TOTAL NUMBER OF OBSERVATIONS 180

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 741 DIEGO GARCIA ISLAND STATION NAME: 74-79 YEARS: JULY NORTH
CLASS: ALL WEATHER HOURS (LST):
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	4.0
NNE	.7											.7	2.3
NE	.1	.3										.7	4.0
NNE	.7	.2	.1	.1								.7	5.5
E	.4	2.2	3.1	2.1								7.7	5.4
ESE	1.7	6.3	14.7	9.6	.6							32.7	9.3
SE	.2	7.4	12.6	7.8	.5							31.5	9.3
SSE	2.6	4.0	6.0	2.4								14.7	7.3
S	1.7	2.1	3.3	.3	.1							7.4	7.0
SSW	.7	.6	.2	.1								1.2	5.5
SW		.1	.1									.3	7.3
WSW	.1	.1	.7	.1								.5	6.9
W	.2	.3	.6									1.1	6.4
WNW	.1	.1	.2									.3	6.2
NW													
NNW		.1										.1	4.0
VARIABLE													
CALM												1.4	
	10.2	23.9	40.4	22.9	1.2							100.7	5.1

TOTAL NUMBER OF OBSERVATIONS 1439

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 74-24 STATION NAME: DIEGO GARCIA ISLAND YEARS: 74-75 MONTH: JUL
CLASS: ALL WEATHER HOURS: 11 5 T
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		7.2	1.1	.5								3.2	7.6
ESE		7.2	17.2	5.5								15.2	9.8
SE	7.2	7.5	19.4	15.1	.5							41.2	9.1
SSE	1.1	4.2	11.3	8.6								25.2	9.5
S		7.2	.5	2.7								10.4	7.7
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	4.7	12.4	42.5	33.2	.5							100.2	9.2

TOTAL NUMBER OF OBSERVATIONS 146

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 741 DIEGO GARCIA ISLAND STATION NAME: 74-79 YEARS: JUL MONTH: 05 HOURS (LST):

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.5										.5	6.8
E		.5	2.2	.5								3.2	8.8
ESE		3.2	5.9	5.4	1.1							15.6	9.8
SE	4.3	7.5	20.4	11.3	.5							44.5	8.5
SSE		5.9	17.8	14.5								31.2	10.2
S			1.6	1.6	.5							3.3	12.1
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.1	
	4.3	17.7	45.9	33.0	2.2							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 126

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01111 STATION NAME ISLE OF GARCIA ISLAND YEARS 74-79 MONTH JUL

ALL WEATHER
CLASS
CONDITION

NOV 19 1979

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.											.7	1.1
NE													
ENE													
E		.7	2.7	.5								3.9	9.1
ESE		2.7	2.6	7.7								18.7	9.7
SE	1.6	5.4	18.2	14.5	1.1							41.4	9.9
SSE	.5	4.3	12.0	11.0	1.6							31.2	10.4
S			2.7	1.1								3.8	9.7
SSW	.7			.5								1.1	6.5
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.7	
	7.2	12.8	45.7	35.5	2.7							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 126

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 770 ISLE O GARCIA ISLAND STATION NAME 74-79 YEAR JUL
 CLASS ALL WEATHER
 MONTH 11
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E			2.7	1.6								4.3	3.0
ESE		1.1	12.9	7.5								21.5	10.2
SE			12.4	18.8	7.2							34.4	12.1
SSE		1.6	10.8	20.4	2.7							35.5	12.0
S			1.1	1.6								3.2	10.3
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM													
	0.1	3.8	39.8	50.0	6.9							100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 186

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7701
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE		.5										.5	4.0
NE													
ENE			.5									.5	7.0
E		.5	1.1	.5								2.1	9.5
ESE	.5	.5	1.8	10.8	.5							23.1	10.9
SE		.5	1.8	20.4	1.1							32.8	11.9
SSE		.5	12.4	17.2	5.2							33.7	11.9
S		1.1	3.6	1.6								6.0	9.4
SSW		.5										.5	5.0
SW													
WSW													
W													
WNW													
NW													
NNW			.5									.5	10.0
VARBL													
CALM												.5	
	.5	4.3	39.8	50.5	4.8							102.5	11.3

TOTAL NUMBER OF OBSERVATIONS 156

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 7 1 STATION DIEGO GARCIA ISLAND 74-79 YEARS JUL NORTH
STATION NAME CLASS 17 HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE				.1								.5	12.0
NNE			.5									.5	10.0
E		1.1	2.2	1.1								4.3	9.3
ESE		.5	2.2	7.5	.5							10.1	12.3
SE		2.2	17.2	19.8								39.2	10.6
SSE		.5	17.2	20.4	1.1							39.2	11.0
S		2.2	3.2	.5								5.9	7.7
SSW		.5										.5	6.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.1	
		7.0	42.5	48.9	1.6							100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 136

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

771
STATION

OTERO GARCIA ISLAND
STATION NAME

74-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		.5										.5	5.0
NNE			.5									.5	10.0
E	.5	.5	1.6									2.7	6.8
ESE	.5	.5	6.5	5.4	.5							13.4	11.0
SE	.5	11.3	23.1	11.8	.5							47.8	9.0
SSE		2.7	13.4	13.4								29.6	10.4
S	.5	.5	2.7	2.2								5.0	9.9
SEW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB.													
CALM												.5	
	2.2	15.1	47.8	32.8	1.1							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

186

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 171 DIE O GARCIA ISLAND STATION NAME 74-79 YEARS JUL
ALL WEATHER CLAS 23
 CONDITON HOUSE (LST)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE		.5										.5	5.0
NE													
NNE													
E	.5	1.1	1.6									3.2	6.3
ESE	1.1	1.6	7.5	6.5	.5							17.7	9.8
SE	.5	2.1	2.3	10.8	.5							46.2	9.0
SSE	2.2	4.3	10.8	11.8								29.7	9.4
S	.5		1.6	1.1								3.7	9.2
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.5	
	4.5	15.5	47.8	30.1	1.1							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 186

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1771 FIELD GARCIA ISLAND STATION NAME 74-79 YEARS JUL MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.1	.1										.2	3.3
NE	.1	.1		.1								.2	6.3
NNE	.1	.1	.2									.3	7.2
E	.1	.2	1.6	.6								3.5	9.5
ESE	.3	1.5	4.1	7.1	.4							17.3	10.3
SE	1.2	5.3	15.5	15.3	.9							41.3	9.9
SSE	.7	3.1	12.4	14.4	1.1							31.9	10.7
S	.1	.3	2.2	1.5	.1							4.7	9.4
SSW	.1	.1		.1								.3	6.3
SW													
WSW													
W													
WWW													
NW													
NNW		.1	.1									.1	8.0
VARBL													
CALM												.2	
	2.5	12.1	43.3	32.4	2.5							100.7	10.1

TOTAL NUMBER OF OBSERVATIONS 1488

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 7 1 STATION DIEGO GARCIA ISLAND 73-70 YEARS AUG
STATION NAME CLASS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DRL	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7										.7	4.0
NE			.5									.5	4.0
ENE													
E			7.2									3.2	5.7
ESE		2.7	9.7	5.0	.5							18.2	9.6
SE		9.1	19.4	9.7	.5							37.6	9.1
SSE	1.1	3.2	16.7	6.5								27.4	9.0
S		2.2	5.0	1.6								9.7	8.6
SSW													
SW													
WSW			.5									.7	10.0
W													
WNW													
NW													
NNW			.5									.5	4.0
VARBL													
CALM												1.1	
	1.1	16.7	54.5	23.7	1.1							100.7	9.0

TOTAL NUMBER OF OBSERVATIONS 186

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-76
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-76
YEARS

ALL
MONTH

ALL WEATHER
CLASS

25
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.5									.5	10.0
NNE													
NE	.5											.5	2.0
NNE			1.1		.5							1.6	11.3
E		1.1	3.2	.5								4.8	8.8
ESE	.5	2.2	1.4	4.8	.5							18.2	9.5
SE	5.7	5.9	21.7	6.1								38.7	8.6
SSE	.5	5.4	12.4	7.7								25.3	8.8
S		1.0	4.8	2.2								8.6	9.2
SSW		.5										.5	4.0
SW													
WSW													
W													
WNW													
NW													
NNW	.5											.5	1.0
VARBL													
CALM												.5	
	4.8	16.7	53.5	23.7	1.1							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 771 STATION NAME CIERO GARCIA ISLAND YEARS 73-78

ALL WEATHER CLASS

CONDITION

APR NORTH 09 HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.5									.5	10.0
NNE													
NE			1.1									1.1	7.5
ENE	.5											.5	3.0
E	.5		2.7	1.1								4.3	9.4
ESE		2.7	12.4	9.6	.5							24.7	13.1
SE	.5	4.8	17.7	15.2								33.3	9.6
SSE		2.2	15.9	12.8								23.7	10.4
S	.5	1.6	7.5	2.7								11.2	8.9
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.5	
	.2	11.3	52.2	33.3	.5							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 136

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

DIETO GARCIA ISLAND

73-76

YEARS

800
NORTH

ALL WEATHER
CLASS

11
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2									.1	10.0
NNE													
NE				.2								1.1	9.5
ENE			1.1									1.1	9.0
E	.2	.2	4.3	7.2	1.1							9.7	10.8
ESE		.2	.1	2.8	.5							17.7	11.1
SE		1.1	7.5	22.2	.5							71.7	12.0
SSE		.2	6.5	14.5								71.7	11.8
S	.2	.2	1.1	5.3								15.6	9.7
SSW				.2								.1	14.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.1	
	1.1	3.2	36.6	55.9	2.2							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

106

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PT. GARCIA ISLAND STATION NAME PT. GARCIA ISLAND YEARS 73-74 MONTH ALL
CLASS WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM													

TOTAL NUMBER OF OBSERVATIONS 106

8808



2

7446437

7275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	SEA MARIA ISLAND	73-74	YEARS	1
CLASS				WORTH
CONDITION				NOV 1957

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.5									.5	1.0
NNE													
NE		.5										.5	1.0
ENE			1.1									1.1	1.0
E	.5	1.1	7.8	1.1								7.8	1.0
ESE		2.2	7.8	6.6								13.4	17.0
SE		7.8	11.7	22.2	.5							38.8	11.0
SSE	.5	1.1	14.4	2.2								24.7	7.0
S			7.8	5.5	.5							14.7	17.0
SSW													
SW													
WSW			.5									.5	1.0
W													
WNW													
NW													
NNW													
YARBL													
CALM												.5	
	1.1	7.8	45.7	44.6	1.1							100.0	17.5

TOTAL NUMBER OF OBSERVATIONS 176

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

711
STATION

STE D GARCIA ISLAND
STATION NAME

73-75
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.1									.5	7.5
NE													
ENE													
E		1.1	1.1	2.7								5.4	9.5
ESE	1.1	1.1	1.2	7.7								19.9	9.4
SE	1.1	5.4	2.4	16.1	.5							43.5	9.7
SSE	1.1	3.2	2.7	7.7								18.3	8.1
S		1.2	6.5	1.6								11.7	5.4
SSW			.5									.1	7.3
SW													
WSW		.5										.5	5.5
W													
WNW													
NW													
NNW													
VARBL													
CALM												.1	
	7.7	10.6	46.9	31.2	.5							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 156

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ST. GARCIA ISLAND STATION NAME 73-74 YEARS 80

CLASS ALL WEATHER NORTH 27

CONDITION

HOURES (L S T)

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.1										1.1	5.0
ENE													
E			.1	1.1								3.7	10.2
ESE		4.3	7.7	5.9								19.9	9.4
SE	.1	7.0	21.8	17.2								45.7	9.7
SSE	1.1	4.3	11.8	3.8								21.0	8.3
S		1.1	7.9	3.2								8.6	9.2
SSW													
SW													
WSW													
W													
WNW													
NW		.1										.1	5.0
NNW													
VARBL													
CALM												.1	
	1.1	13.9	45.4	31.2								100.7	9.2

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FIELD GARCIA ISLAND STATION NAME 73-76 YEARS ALL WEATHER CLASS ALL MONTH ALL HOURS (L E T) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	.1								.7	10.2
NNE		.1	.1									.1	5.5
NE	.1	.3	.3	.1								.7	6.4
ENE	.1		.5		.1							.7	6.1
E	.7	.7	7.1	1.5	.1							5.6	9.5
ESE		2.1	7.4	7.5	.3							19.6	10.1
SE		4.5	15.6	15.9	.4							37.7	10.2
SSE		2.6	11.3	8.7	.2							23.6	9.7
S	.1	1.4	6.1	3.7	.1							11.5	9.6
SSW		.1	.3	.1								.5	6.0
SW													
WSW		.1	.1									.7	6.2
W													
WNW													
NW		.1										.1	5.0
NNW	.1		.1									.1	4.5
VARBL													
CALM												.7	
	2.5	11.9	47.0	37.0	1.2							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1458

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

71701
STATION

STEVEN GARCIA ISLAND
STATION NAME

73-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

00
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE												1.0	9.5
NE												1.0	9.5
ENE	1.0											1.0	2.5
E		2.0	1.0	.5	.5							4.3	8.0
ESE	1.0	2.0	11.0	1.0								15.7	8.2
SE	2.0	10.0	10.0	2.0								41.0	8.4
SSE	1.0	5.7	6.0	1.0								19.0	7.3
S	1.0	1.0	3.3	.5								6.0	7.2
SSW	1.0	.5	.5									1.0	4.3
SW													
WSW	.5	1.0										1.0	3.5
W		.5										.5	4.0
WNW													
NW		.5										.5	6.0
NNW		.5										.5	5.0
VARB													
CALM												5.7	
	0.3	25.7	44.3	14.3	.5							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LIE J GARCIA ISLAND STATION NAME 23-79 YEARS SEP
DATE SEP
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.0	7.0
NNE		.0	.0									1.0	5.0
NE				.0								.0	12.0
NNE	1.0		.0	1.0								2.0	7.0
E	.0	1.0	1.0									4.0	6.4
ESE	1.0	2.0	5.0	1.0								10.0	6.0
SE	2.0	11.0	16.0	6.0								37.0	6.0
SSE	.0	7.0	14.0	4.0								26.0	7.6
S		1.0	4.0	1.0								5.0	8.6
SSW	.0	1.0		.0								1.0	5.6
SW		.0										.0	4.0
WSW	.0	.0										1.0	4.5
W	.0	.0										1.0	4.5
WNW													
NW													
NNW		1.0										1.0	6.6
VARB													
CALM												5.0	
	2.5	26.7	43.3	15.2								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-79 STATION NAME DEL GARCIA ISLAND YEAR 73-79 DATE SEP
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5										.5	6.0
NNE		.5	.5									1.0	5.5
NE		.5	.5									1.0	7.5
ENE	.5	.5		.5								1.4	7.3
E	1.4	1.0	1.0	1.4								5.7	6.8
ESE		2.0	5.2	2.0								10.2	8.2
SE	.5	4.3	17.6	12.0								35.7	9.4
SSE	.5	7.6	12.9	7.1								28.1	8.7
S	2.4	1.0	7.3	.5	.5							6.6	6.8
SSW	.5	.5	.5									1.4	5.0
SW		1.0	.5									1.9	5.8
WSW	.5											.5	3.0
W		1.0										1.0	5.0
WNW													
NW													
NNW		.5										.5	6.3
VARB													
CALM												2.4	
	6.2	23.9	41.9	25.2	.5							170.0	6.3

TOTAL NUMBER OF OBSERVATIONS 210

3006

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DIEGO GARCIA ISLAND DATE 73-79 YEAR 1979

ALL WEATHER
CLAR 11
HOURS (LST) 11

CONDITION

SPEED (KNTS) DNL	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.0	7.0
NNE	.0		1.0	1.0								2.0	5.4
NE	1.0											1.0	1.5
NNE	.0		.5	.0								1.0	5.0
E	1.0	3.0	1.0	1.0								7.0	6.2
ESE	.0	1.0	.7	6.7								14.0	10.3
SE	.0	.5	5.5	17.6								28.1	11.5
SSE		1.4	11.0	17.6								32.9	10.7
S	.0	2.0	5.7	3.3								12.4	8.6
SSW	.0	1.0										2.4	4.6
SW	.0	1.0		.0								1.0	7.3
WSW													
W	1.0	1.4		.0								2.4	5.7
WNW				.0								.0	12.0
NW												.0	
NNW			.0									.0	8.0
VARB													
CALM												1.0	
	6.7	13.2	26.7	41.0								100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 210

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT GARCIA ISLAND YEAR 73-79 MONTH 14
CLASS ALL WEATHER
COMMENTS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.5									.5	10.0
NNE	.5	.5	.5									1.5	5.3
NE	.5			.5								1.5	6.3
NNE		.5										.5	5.0
E	1.5	2.5	1.5	1.5								5.5	6.3
ESE	1.5	1.5	7.1	9.5	.5							16.5	10.4
SE			1.5	14.5								25.2	11.3
SSE	.5	1.5	11.5	10.5	.5							24.7	13.7
S	1.5	3.5	6.2	3.3								14.0	8.4
SSW	.5	.5	.5									1.5	5.7
SW	.5	1.5										1.5	4.0
WSW			.5									.5	5.0
W	.5	1.5	.5									2.5	4.6
WNW		.5										.5	5.0
NW		1.5										1.5	4.0
NNW													
VARS													
CALM												.5	
	7.1	13.3	34.0	39.0	1.0							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1
STATION

01E 10A-CIA ISLAND
STATION NAME

77-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.5									.5	10.0
NNE													
NE		.5		.5								1.0	10.0
NNE	1.0	.5										1.5	3.7
E	.5	1.4	1.4	1.0								4.3	7.6
ESE	.5	1.0	0.6	3.0								14.0	9.5
SE	1.0	1.0	14.7	13.3								30.0	13.1
SSE	.5	3.3	15.2	7.1	.5							26.7	9.4
S	.5	1.4	5.7	3.0	.5							11.0	5.5
SSW	.5	.5										1.0	2.0
SW	1.0	.5	.5									2.0	4.2
WSW	1.0	1.0										2.0	2.0
W					.5							.5	2.0
WNW		1.0										1.0	4.7
NW			.5									.5	9.0
NNW													
VARIABLE													
CALM												1.0	
	1.2	14.3	4.7	29.5	1.4							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION UTE S GARCIA ISLAND STATION NAME 77-79 YEARS 50
 CLASS ALL WEATHER MONTH 20
 CONDITION 20 HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE												.5	4.0
NE		1.0	.5									1.0	5.7
NNE				.5								.5	12.0
E	.5	.5	.5	.5								1.0	8.0
ESE	1.0	3.3	1.6	3.0								10.7	8.5
SE	1.0	1.0	1.1	5.2	.5							25.7	8.0
SSE	1.0	3.0	14.8	5.7								25.0	8.8
S	.5	2.0	1.0	1.0								7.1	7.6
SSW	.5											.5	3.0
SW			.5									.5	8.0
WSW		.5										.5	6.0
W		1.0										1.0	4.7
WNW				.5								.5	12.0
NW		.5										.5	8.0
NNW		.5	.5									1.0	7.0
VARB													
CALM												6.7	
	4.0	24.8	41.2	18.1	.5							100.7	7.6

TOTAL NUMBER OF OBSERVATIONS 210

3008

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01100000 STATION NAME 01100000 YEAR 71-72 SCD 000
 CLASS ALL WEATHER
 COORDINATE 27
 HOURS (LST) 27

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													12.0
NNE													4.0
NE													13.5
NNE													1.4
E		1.4	1.4	1.4									3.0
ESE	1.4	3.3	7.6	2.0									15.7
SE	4.0	9.5	27.3	6.7									44.7
SSE	1.4	2.0	11.4	3.3									16.0
S		1.4	1.4	1.4									3.0
SSW		1.4											1.4
SW													4.0
WSW													1.4
W													4.0
WNW													1.4
NW													1.4
NNW													4.5
VARBL													7.0
CALM													5.7
	2.0	22.4	45.7	17.1								110.1	7.4

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ST. CECILIA ISLAND STATION NAME 73-19 YEARS SEP
ALL WEATHER MONTH ALL
 CLASS ALL
 HOURS (LST) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1	.1								.4	7.3
NNE	.1	.4	.3	.3								1.1	7.3
NE	.1	.1	.1	.4								1.7	7.7
NNE	.1	.1	.2	.4								1.7	7.7
E	.1	.2	1.2	.5	.1							4.7	7.1
ESE	.1	2.2	2.5	4.1	.1							14.6	9.1
SE	1.1	6.1	10.1	17.5	.1							34.6	9.1
SSE	.1	4.1	10.7	6.1	.1							24.1	9.1
S	.1	2.1	3.7	1.3	.1							8.0	8.0
SSW	.1	.7	.2	.1								1.7	8.0
SW	.1	.1	.2	.1								1.1	8.4
WSW	.1	.5	.1	.1								.7	8.4
W	.1	.5	.1	.1	.1							1.2	8.6
WNW		.1		.1								.4	8.9
NW	.1	.1	.1									.4	8.4
NNW		.1	.1									.4	8.4
VARBL													
CALM												2.0	
	7.1	27.6	42.2	25.1	.5							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1640

8MOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01000 GARCIA TOLSON STATION NAME 73-79 YEARS 1973-79

CLASS ALL WEATHER

CONDITION

SCOTT NORTH

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													12.0
NNE													7.0
NE													12.0
ENE													6.3
E		2.0	2.0	1.0								7.0	7.3
ESE		2.0	2.0	2.0								12.0	7.1
SE		7.0	14.0	2.0								23.0	8.0
SSE		1.0	2.0	2.0								10.0	7.3
S		4.0	2.0	2.0	2.0							11.0	7.3
SSW			1.0	2.0								4.0	7.0
SW													
WSW		1.0										1.0	7.3
W													7.0
WNW					2.0							2.0	7.0
NW													7.0
NNW													7.0
VARIABLE													
CALM													
	7.7	27.0	42.4	17.4	1.4							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 17

SMOS

2

11066132

11066132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE ISLAND STATION NAME ASHEVILLE YEARS 1951-59 MONTH 1

CLASS ALL WEATHER

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													21.1
NNE													1.0
NE													4.0
ENE			1.0									1.0	7.0
E			1.1	2.3								7.0	1.1
ESE		1.1	1.2	2.7								17.1	7.5
SE	1.0	1.0	1.4	6.0								29.0	7.8
SSE	1.0	1.0	1.4	4.6								15.0	5.4
S		4.0	6.6	2.0								14.0	7.8
SSW		1.0	0.5	1.4								4.0	7.7
SW													
WSW		0.1										0.1	1.0
W		1.0		0.1								1.0	1.0
WNW		0.1										0.1	1.0
NW			0.1	0.1								0.1	2.0
NNW													
VARBL													
CALM													
	1.0	11.7	47.7	22.7								100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2
1406442

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DE LA GARCIA ISLAND STATION NAME 73-79 YEARS 667
 CLASS ALL WEATHER NORTH 06
 CONDITION 06
 HOURS (LST) 06

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	.0									.0	0.0
NNE				.0								.0	16.0
NE	.0	.0										1.4	3.3
ENE	.0	.0	.0	.0								2.3	7.6
E	.0	2.7	0.7	4.5								9.7	9.1
ESE		.0	11.5	4.1								2.1	0.4
SE		1.0	17.1	0.2								21.3	12.4
SSE	.0		7.4	7.4								15.7	17.6
S	.0	2.0	1.5	3.7								13.7	3.8
SSW	.0	.0	1.4									2.8	0.5
SW		.0		.0								.0	0.0
WSW	.0	.0		.0								1.0	0.5
W	1.0		1.4	.0								3.0	0.0
WNW		.0	.0									.0	7.0
NW													
NNW	.0	.0		.0								1.0	0.3
VARBL													
CALM												1.0	
	7.5	1.0	41.0	31.0								100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ISLAND GARCIA ISLAND STATION NAME 73-79 YEARS 1957
 CLASS ALL WEATHER MONTH 11
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	13.0
NNE		1.4										3.0	5.3
NE												2.0	2.0
ENE			1.4									1.4	7.3
E		2.0	4.0	4.0								14.0	9.1
ESE		1.4	4.0	7.4								13.4	9.9
SE			4.0	11.1								17.5	11.8
SSE			4.0	13.4								18.9	12.1
S		1.4	4.1	3.7								10.6	9.1
SSW		1.4	4.0									5.1	7.7
SW			4.0									3.0	7.9
WSW			4.0									1.0	6.3
W			4.0									4.0	6.0
WNW												4.0	16.0
NW												4.0	14.0
NNW													
VARBL													
CALM												4.0	
	1.4	11.1	41.0	44.0								100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DEE O GARCIA ISLAND STATION NAME 73-79 YEARS OCT
 CLASS ALL WEATHER MONTH 14
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.4	.9									2.3	6.4
NE		.9	.5									.9	6.0
ENE	.4	.5		.5								1.4	5.5
E	.9	2.5	4.6	1.8								9.7	8.3
ESE		2.9	8.8	10.1								21.7	10.2
SE	.9	.9	7.4	11.1	.5							20.3	10.5
SSE			8.5	8.3								17.1	11.2
S		.5	6.5	5.5								12.4	10.3
SSW	.5	.9	1.8	.5								3.7	8.0
SW		.9	.9									1.8	7.0
WSW		1.4	.9									2.3	6.9
W	.5	.9	.9									2.3	5.8
WNW				.9	.5							1.4	16.0
NW		.5										.5	6.0
NNW				.5								.5	14.0
VARS													
CALM												1.4	
	2.8	13.0	41.0	39.2	.9							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

19
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-79 STATION NAME TERO GARCIA ISLAND YEARS 73-79 POST 001
ALL WEATHER CLAS 17
CONDITION NOV 11 1977

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5			.5							1.5	8.0
NNE		.5										.5	5.0
NE		.5	.5	.5								1.5	5.3
ENE	.5	1.4	.5									2.4	4.2
E	.5	2.4	2.5	1.4								7.8	7.8
ESE		1.4	.5	2.3								18.4	10.3
SE		2.4	11.1	17.6	.5							24.9	10.0
SSE	.5	2.7	8.0	7.4								17.6	9.7
S		2.4	5.1	4.6								12.4	9.2
SSW		.5	1.4	.5								2.3	3.2
SW	.5	.5	2.3									3.7	6.5
WSW			.5									.5	7.0
W	.5	.5	.5									1.5	5.5
WNW			.5	.5								.5	10.0
NW	.5											.5	1.0
NNW	1.4	.5	.5									2.3	3.2
VARBL													
CALM												.5	
	.5	13.4	40.6	34.6	.9							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 217

SNOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FIELD GARCIA ISLAND STATION NAME 73-79 YEARS OCT
 ALL WEATHER CLAS MONTH 20
 CONDITION HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.5									.5	2.0
NNE			.9	.5								1.4	2.7
NE		.5										.5	4.0
ENE	.5	.5										1.4	4.3
E	.5	2.5	7.2	2.3								9.2	3.2
ESE	1.5	5.5	11.1	2.3	.5							20.7	7.8
SE	1.4	6.5	11.1	7.2								27.2	8.7
SSE	.5	2.3	.8	4.6								16.6	8.9
S	.5	2.3	4.6	2.3								10.1	5.1
SSW		.5	2.3	.5								5.1	6.9
SW			.5									.5	7.0
WSW	.5		.9									1.4	6.0
W	.5	.5										.5	4.0
WNW					.5							.5	13.1
NW	.5			.5								1.4	5.7
NNW	.5	.5	.5									1.5	5.3
VARS													
CALM												.9	
	1.5	25.7	43.3	21.2	.9							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 217

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ST. GARCIA ISLAND YEARS 72-79 OCT 27
STATION NAME ALL WEATHER MONTH 27
CLASS ALL WEATHER HOURS (LST) 27
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		.0									1.4	4.0
NNE				.0								.0	12.0
NE			.0									.5	8.0
ENE	.0	1.4	1.4									3.2	6.1
E	.0	.0	4.5	2.0								9.7	8.0
ESE	1.0	1.1	12.4	1.0	.5							21.7	8.0
SE	1.0	6.0	12.4	5.1								25.3	8.2
SSE	.0	3.2	.3	1.0								14.3	8.1
S	.0	4.1	4.1	1.4	.5							11.1	8.0
SSW		1.0	1.0	.5								3.7	7.8
SW	.0	.0		.0								1.4	5.0
WSW	.0	.0		.5								.0	3.8
W	.0	.0		.5								1.4	6.0
WNW		.0		.5								.0	9.8
NW				.0								.0	14.0
NNW			.0	.5								.0	11.0
VARBL													
CALM												3.0	
	1.2	24.0	46.5	16.1	.9							10.0	7.7

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

E
2
7446 (A-2)
1725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 STEVEN GARCIA ISLAND STATION NAME 73-79 YEARS OCT
 CLASS ALL WEATHER MONTH NORTH
 CONDITION ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	.2	.0	.3	.1							1.0	4.8
NNE	.1	.7	.5	.2								1.3	7.8
NE	.1	.3	.2	.2								.9	6.0
ENE	.4	.4	.7	.1								2.1	6.0
E	.1	2.2	3.0	2.7								9.4	5.5
ESE	.1	4.1	1.0	5.7	.1							19.0	6.8
SE	.1	4.1	1.5	8.1	.1							24.0	9.3
SSE	.1	1.5	7.5	6.6	.1							16.4	9.9
S	.1	3.0	5.1	3.2	.1							12.7	6.8
SSW	.1	1.3	1.7	.6								4.7	7.5
SW	.1	.4	.6	.2								1.4	7.1
WSW	.1	.4	.4	.1								1.3	5.0
W	.4	.5	.5	.2								1.7	6.0
WNW	.1	.3	.2	.2	.2							1.5	10.3
NW	.1	.1	.2	.2								.5	7.9
NNW	.1	.2	.2	.2								.5	5.0
VARS													
CALM												2.1	
	7.9	20.5	42.4	28.4	.6							170.7	6.6

TOTAL NUMBER OF OBSERVATIONS 1776

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

DTG C. GARCIA ISLAND
STATION NAME

1979

YEARS

NORTH

ALL WEATHER
CLASS

NOON LLST

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.5									1.0	5.3
NNE	.0											.0	1.0
NE	.0		.5									1.0	5.0
ENE		1.0	1.0									2.0	6.2
E	1.0	4.0	1.0	.5								7.0	5.4
ESE	.0	7.0	5.0	.5								13.0	6.3
SE	4.0	10.0	7.0	.5								23.0	5.9
SSE	1.0	4.0	11.0	2.0								19.0	7.0
S	.0	2.0	1.0	.5								5.0	6.5
SSW			1.0									1.0	7.7
SW	.0	.0	.5	.5								1.0	6.6
WSW	.0		.5									1.0	6.0
W	.0	1.0	7.0	.5								5.0	7.6
WNW	1.0	1.0		.5								2.0	6.0
NW	.0	1.0	1.0	.5								4.0	6.7
NNW		1.0	1.0	.5								2.0	6.0
VARBL													
CALM												5.0	
	12.0	37.0	37.0	6.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
DIAZ GARCIA ISLAND

YEARS
73-79

NC
NORTH

CLASS
ALL WEATHER

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.5	1.4									2.0	4.7
NNE	1.4			.5								1.4	6.3
NE	.5		.5									1.0	4.5
ENE	1.4	1.4	.5									2.7	4.7
E		2.0		.5								2.0	5.0
ESE	1.4	2.0	5.7									13.0	5.9
SE	2.0	17.5	8.6									21.4	5.9
SSE	.5	6.7	11.4	2.0								21.4	7.7
S	1.4	1.4	3.0	.5								7.0	6.7
SSW		1.4	1.4									3.0	6.4
SW		1.4	1.4									2.0	6.0
WSW		.5	.5									1.0	7.0
W			2.0									2.0	5.3
WNW	1.4		1.4									2.0	6.2
NW	1.4	1.4	.5	1.4								4.0	7.0
NNW		1.4	.5									1.0	5.0
VARIABLE													
CALM												6.0	
	12.4	35.7	40.0	5.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-7-74 STATION 00510 GARCIA ISLAND 7-7-76 MONTH 7
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.5									1.6	3.7
NNE	1.0	.5	1.0		.5							2.0	7.7
NE	1.0	.5	.5									1.0	4.6
ENE	.5		.5									1.0	5.0
E	1.0	1.0	2.0									6.0	5.6
ESE	1.0	4.0	5.0	3.0								14.0	7.6
SE	1.0	2.0	5.0	2.0								16.0	8.4
SSE	.5	4.0	5.0	4.0								19.0	8.5
S	1.0	4.0	5.0	1.0								12.0	7.3
SSW		1.0	.5									1.4	6.3
SW		.5	1.0	.5								2.0	6.2
WSW	1.0		1.0									2.0	5.2
W	.5	1.0	1.0									3.0	5.3
WNW		.5	1.0									1.4	5.7
NW	.5	1.0	1.0	.5								3.0	6.6
NNW	1.0	1.0	.5									2.0	5.3
VARB.													
CALM												3.0	
	10.0	22.0	47.0	17.0	.5							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 7-7-79 STATION NAME: CIE DE GARCIA ISLAND YEARS: 7-7-79 NORTH: 11
CLASS: ALL WEATHER HOURS (LST): 11
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	0.0								0.0	0.1
NNE	1.0	1.0	1.0									0.0	0.7
NE	0.0	0.0	1.0									1.0	0.3
ENE			1.0									1.0	0.1
E	1.0	2.0	5.0	2.0								10.0	7.4
ESE	1.0	2.0	6.0	7.0	0.5							16.5	0.0
SE		1.0	7.0	3.0								11.0	0.7
SSE	0.0	2.0	0.0	5.0								7.0	0.3
S		2.0	5.0	2.0								11.0	0.3
SSW		1.0	1.0									2.0	0.6
SW	0.0	0.0	1.0									1.0	0.3
WSW	1.0		0.0									1.0	0.7
W	0.0	2.0	2.0									4.0	0.6
WNW		0.0	1.0									2.0	7.4
NW			0.0	1.0								1.0	11.7
NNW			0.0									1.0	0.5
VARBL													
CALM												1.0	
	0.0	21.0	40.0	19.0	0.5							10.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 110

SMOS



2

7466-147

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MOY
	ALL WEATHER		19
	CLASS		HOURE (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									2.0	1.5
NNE		1.0	1.0									1.0	1.3
NE		1.0	1.0									2.0	1.7
ENE			1.0									1.0	1.0
E	1.0	1.0	1.0	1.0								1.0	1.7
ESE		1.0	1.0	1.0	1.0	1.0						1.0	1.7
SE		1.0	1.0	1.0	1.0	1.0						1.0	1.7
SSE		1.0	1.0	1.0	1.0	1.0						1.0	1.7
S		1.0	1.0	1.0	1.0	1.0						1.0	1.7
SSW		1.0	1.0	1.0	1.0	1.0						1.0	1.7
SW		1.0	1.0	1.0	1.0	1.0						1.0	1.7
WSW		1.0	1.0	1.0	1.0	1.0						1.0	1.7
W			1.0	1.0	1.0	1.0						1.0	1.7
WNW			1.0	1.0	1.0	1.0						1.0	1.7
NW			1.0	1.0	1.0	1.0						1.0	1.7
NNW			1.0	1.0	1.0	1.0						1.0	1.7
VARBL												1.0	1.7
CALM												1.0	1.7
	5.7	10.0	53.5	19.7	1.5							170.0	1.2

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

2

1000-4437

172

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01000 BARBUDA ISLAND STATION NAME 73-75 YEARS 1973-75 NORTH 17
ALL WEATHER CLIM 17 HOURS 11 5 7
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	1.0								4.0	0.0
NNE		1.0	0.0	0.0								1.0	0.0
NE			0.0									0.0	0.0
ENE	0.0	1.0										1.0	0.0
E	0.0	0.0	0.0	1.0								4.0	0.0
ESE		0.0	0.0	1.0								14.0	0.0
SE	0.0	0.0	1.0	1.0								0.0	0.0
SSE	0.0	0.0	1.0	0.0								14.0	0.0
S	0.0	0.0	0.0	0.0								1.0	0.0
SSW	0.0	0.0	1.0									0.0	0.0
SW		0.0	0.0									0.0	0.0
WSW			0.0									0.0	0.0
W	0.0	0.0	0.0									4.0	0.0
WNW			0.0	1.0								0.0	0.0
NW		0.0	1.0									0.0	0.0
NNW	0.0	0.0	1.0									0.0	0.0
VARBL													
CALM												1.0	
	0.0	0.0	4.0	12.0								100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 210

SMOS



2

1446-5410

1226

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL WINDS		
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.	2.									1.	4.
NNE	.	1.	2.	.								2.	5.5
NE	.	1.	2.									1.	4.3
ENE		1.	2.									1.	3.
E	.	2.5	3.4	1.								2.	7.1
ESE	.	2.3	2.									2.	5.
SE	.	15.	12.	1.								2.	7.
SSE	.	2.1	2.	1.								1.	7.7
S	.	1.	2.									7.	7.1
SSW		.	2.									2.	5.
SW		1.										1.	4.5
WSW	.		2.									1.	3.
W	.	1.	2.	.								2.	7.5
WNW	.	.	1.	.								2.	4.3
NW	.	.	1.									2.	5.4
NNW	.	1.	2.									1.	4.3
VARB													
CALM												3.	
	1.	36.7	35.	5.								170.	5.1

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ST. GEORGIA ISLAND YEARS: 73-79 MONTH: NOV
CLASS: ALL WEATHER HOURS (L & T): 21
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0									1.0	5.7
NNE													
NE			0.7	0.5								1.0	5.0
ENE	1.0	1.4	1.0	0.5								4.7	5.7
E	1.0	1.0	1.0	0.5								4.0	6.0
ESE	0.5	0.2	0.7	0.5								1.5	5.1
SE	0.2	1.0	0.1	1.0								2.1	5.0
SSE	1.0	0.7	0.2	1.4								1.5	5.0
S	0.5	0.7	0.3	0.5								0.1	5.0
SSW	0.5	1.0	1.0									2.0	5.0
SW	0.5		0.5	0.5								1.0	7.0
WSW	0.5	0.5	1.0	0.5								0.0	5.0
W		0.5	0.4	0.5								3.0	5.0
WNW	0.5	0.5	1.0									1.0	5.0
NW	0.5	0.4	0.5									3.0	4.7
NNW		1.0	0.5									1.0	5.0
VARBL													
CALM												5.0	
	1.0	3.0	3.0	0.5								10.0	5.0

TOTAL NUMBER OF OBSERVATIONS 210

SMOS



2

7400-142

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	NO.
	JOSE GARCIA ISLAND	73-79	NORTH
ALL WEATHER			ALL
CLASS			HOURLY
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.7	.7								2.7	6.5
NNE		.6	.6	.2	.1							1.5	5.0
NE		.4	.7	.1								1.2	5.6
ENE	.0	.7	.7	.1								2.5	4.6
E	1.0	2.0	2.0	1.0								7.0	6.0
ESE	1.2	5.1	5.0	1.7	.1							13.1	7.0
SE	3.3	7.4	5.6	1.7								20.0	6.3
SSE	1.0	4.6	5.6	3.3								16.0	6.0
S	.7	2.1	4.6	1.3								9.7	7.6
SSW	.7	1.2	1.7									3.7	5.4
SW	.7	.7	1.1	.2								2.4	7.0
WSW	.7	.2	.7	.1								1.7	5.3
W	.4	.9	2.2	.4								4.0	7.5
WNW	.4	.4	1.5	.4								2.0	7.5
NW	.7	1.1	1.3	.5								3.6	7.3
NNW	.7	.7	.7	.1								2.0	5.7
VARIABLE													
CALM												3.0	
	11.7	30.7	43.5	11.0	.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1650

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
GARCIA ISLAND

73-75

YEARS

DEC
MONTH

ALL WEATHER
CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.4									3.7	3.8
NNE		1.0	.7									1.7	1.3
NE	.0	.0	.1									1.0	4.3
ENE	.0	1.0	.5									3.7	4.1
E	.0	.7	.0									10.1	5.1
ESE	.0	1.0	1.0									3.7	5.4
SE	.0	.0	1.4									6.7	5.4
SSE	1.0	2.2	.0									4.6	5.0
S	.0	1.0	1.8	.0								7.8	4.9
SSW	.0	1.0	.5									2.6	5.2
SW	.0	.0		.0								1.0	6.3
WSW		1.0		.0								2.6	7.3
W	.0	2.2	2.3	1.7	1.4							11.5	5.2
WNW		1.0	1.0	.9								4.6	8.2
NW	.0	4.1	2.3	1.0	.5							9.7	7.7
NNW	.0	2.2	1.4	.5	.5							6.7	6.7
VARBL													
CALM												17.4	
	1.0	33.7	18.7	6.2	2.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73 BIEN GOARCIA ISLAND STATION NAME 73-79 YEARS 73-79 DTC 73
 ALL WEATHER CLASS 73 NORTH 73
 CONDITION 73

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5	.0									2.0	5.0
NNE	.5	.5	.5									1.5	3.8
NE	.5	1.0	.5									2.0	4.4
ENE	1.0	1.0	.5									4.1	4.3
E	1.0	2.3	2.0									6.0	5.9
ESE	.5	1.4	2.3	.5								5.1	5.4
SE	1.0	3.2	.9									7.4	3.9
SSE	1.0	2.3	1.4									5.5	5.0
S	.5	4.1	1.4									6.0	5.5
SSW		1.4		.5								1.0	5.3
SW	.5	.9	.0									2.0	5.0
WSW	.5	.9		.5								1.0	5.3
W	1.0	4.1	3.2	3.2	.5							12.0	7.6
WNW	1.0	.5	1.4	1.4								5.1	8.3
NW	4.0	4.1	5.1	.5	.5							14.7	5.7
NNW		3.2	.5	.5								4.0	6.7
VARBL													
CALM												13.0	
	22.0	32.7	22.6	7.4	.9							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SIERRA GARCIA ISLAND STATION NAME SIERRA GARCIA ISLAND YEARS 77-79 DIRECTION NORTH

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.5									3.0	4.1
NNE	1.4	.5										1.0	2.8
NE	.5	1.4		.5								2.0	4.5
ENE	.5	.5										.5	3.5
E	1.4	5.5	7.7	.5								12.4	5.6
ESE	.5	7.2	4.1	.5								9.2	6.8
SE		2.5	1.4									4.1	6.4
SSE	.5	7.7	1.4									5.7	5.6
S	1.4	2.5	7.2	.5								8.7	7.0
SSW	.5	1.4	.5									3.7	4.1
SW	.5	1.4	.5									2.0	5.2
WSW	.5	.5	5.7									4.6	7.6
W	1.4	2.3	2.5	.5								7.8	6.6
WNW	.5	.5	2.5	2.5	.5							7.8	9.5
NW	.5	1.4	5.5	1.4	.5							10.1	8.4
NNW	1.4	.5	2.5	.5								6.0	6.9
VARBL													
CALM												8.8	
	17.5	32.5	33.2	8.8	.9							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 217

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME DIETZ GARCIA ISLAND YEARS 73-79 DEC 11
STATION 11 NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	1.0									5.5	1.5
NNE	1.4	0.0										2.3	3.4
NE	0.3	1.0										4.1	3.5
ENE	0.0	2.3	1.4									4.6	4.9
E	1.4	3.7	4.6									9.7	5.0
ESE		1.0	2.7	1.4								6.0	5.6
SE		1.0	4.1	1.4								7.4	5.6
SSE	0.0	2.3	4.1	0.0								7.4	5.6
S	0.0	1.4	1.4	0.5								3.7	6.8
SSW	1.4	1.4	0.0									3.7	4.6
SW	1.0	1.0	1.4	0.5								5.0	5.8
WSW	0.0	0.0	1.4									3.2	5.3
W	1.0	0.0	2.2	0.0								12.0	5.3
WNW	0.0	1.4	2.2	3.7								9.7	5.3
NW		1.4	1.2	4.6								7.9	10.6
NNW		0.0	2.0	1.2								5.5	7.8
VARIABLE													
CALM												1.0	
	14.3	33.2	35.5	15.2								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE ISLAND YEAR: 1960

CLASS: ALL WEATHER

CONDITION:

STATION: NORTH: 14

HOURE (L E F T):

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	7.7	1.4									8.0	5.1
NNE	.0	1.4	.0									4.0	3.7
NE	.0	1.0										2.0	4.0
ENE	.0	1.0	.0									3.0	4.7
E	1.0	5.1	1.1	.0								12.0	5.0
ESE		.0	4.1	1.0								8.0	7.0
SE		.0	1.4	.0								3.0	5.3
SSE			.0									3.0	5.1
S	.0	2.0	1.0									6.0	5.5
SSW		1.0	.0									2.0	5.3
SW	.0	1.4	.5	.0								2.0	7.0
WSW	1.0	3.0	1.4	.0								6.0	5.3
W	.0	6.0	7.7	1.0								13.0	6.8
WNW		1.4	4.6	4.6	.5							11.0	11.6
NW		.0	1.4	2.0	.5							5.0	11.7
NNW	.5	1.8	2.3	.0	.0							6.0	9.5
VARB												1.4	
CALM													
	10.0	36.0	35.0	14.3	1.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 771 STATION NAME: SIE J GARCIA ISLAND YEARS: 73-79

CLASS: ALL WEATHER

CONDITION:

000 NORTH

17 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0									4.0	5.3
NNE	1.0	1.4	.5									3.0	3.9
NE	1.0	.9										2.0	3.6
ENE	.0	1.0										2.0	4.7
E	1.0	2.0	2.0	.5								8.0	5.0
ESE	1.0	3.0	2.0	.5								8.0	6.3
SE	.0	2.0	2.0	.5								6.0	7.2
SSE	.0	2.0	.5	.0								4.0	6.1
S	1.0	3.0	1.0									6.0	6.0
SSW	.0	1.0	.5									2.0	5.5
SW	.0	2.0										3.0	4.4
WSW	.0	2.0	.0									6.0	5.5
W	1.0	4.0	5.0	2.0								14.0	7.7
WNW	.0	2.0	4.0	.0	.0							8.0	9.6
NW	1.0	1.0	2.0	1.0								7.0	7.6
NNW	.0	2.0	1.0	.5								5.0	6.6
VARBL													
CALM												3.0	
	10.0	37.0	30.0	7.0	.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
DIEZ GARCIA ISLAND

YEARS
73-79

STATION
NORTH

CLASS
ALL WEATHER

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4										1.3	3.4
NNE		.0	.0									1.4	7.0
NE		.0										.0	4.0
ENE	1.0	2.3	.0									4.0	4.5
E	.0	4.1	1.2									9.0	7.0
ESE	.0	1.0	1.4	.0	.0							5.0	7.0
SE	2.3	1.0	1.2	.0								7.0	6.0
SSE	.0	2.0	.0									6.0	4.2
S	1.4	2.0	1.4	.0								6.0	5.0
SSW	1.0	2.0	.0									5.0	4.1
SW	.0	1.4	.0									2.0	4.0
WSW	.0	.0	1.0									3.0	5.0
W	.0	1.0	1.7	2.0								6.0	5.0
WNW	.0	2.3	4.1	2.0								12.0	7.8
NW	1.4	5.1	.0	.0								7.0	5.4
NNW	.0	2.0	1.2									6.0	6.1
VARBL													
CALM												10.1	
	21.7	35.0	25.3	7.4	.5							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

217

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71.1 GARCIA ISLAND STATION NAME 73-79 YEARS 058
 CLASS ALL WEATHER NORTH 27
 CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	1.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	2.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	5.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	1.0	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARB.													
CALM												17.0	
	1.0	36.0	17.0	7.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 217

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE ISLAND YEARS 1977-78

STATION NAME ASHEVILLE ISLAND CLASS ALL WEATHER

CONDITION ALL

HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.5								4.1	5.1
NNE	.5	.5	.5									2.0	4.1
NE	.5	1.0	.5	.1								2.1	4.0
ENE	1.1	1.0	.5									3.0	4.5
E	1.0	4.0	1.1	.5								2.0	5.7
ESE	.5	2.0	2.0	.5	.1							6.0	7.0
SE	1.0	2.3	2.0	.5								5.0	5.1
SSE	1.4	2.0	1.6	.5								5.0	5.6
S	1.0	2.7	1.0	.5								5.0	5.7
SSW	.5	1.7	.5	.5								2.0	4.9
SW	.5	1.0	.6	.5								2.1	5.4
WSW	.5	1.0	1.4	.5	.1							4.0	6.4
W	.5	4.1	5.0	2.1	.2	.5						11.0	7.6
WNW	.5	1.0	2.0	2.4	.5							4.1	5.9
NW	1.0	2.0	2.0	1.0	.2							2.4	7.0
NNW	.5	2.0	2.1	.6	.2							5.0	7.0
VARBL													
CALM												9.0	
	17.0	35.2	27.2	9.4	1.0	.5						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1776

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME SA-PIA ISLAND YEARS 1950-51 MONTH ALL

CLASS ALL WEATHER HOURS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
ENE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
E	.0	2.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	3.0	1.0
ESE	.0	1.2	1.4	3.4	.1	.0	.0	.0	.0	.0	.0	14.0	1.0
SE	1.0	4.4	.0	5.1	.2	.0	.0	.0	.0	.0	.0	20.4	1.0
SSE	1.0	7.0	1.0	3.0	.1	.0	.0	.0	.0	.0	.0	12.1	1.0
S	1.0	2.7	1.2	1.0	.0	.0	.0	.0	.0	.0	.0	5.1	1.0
SSW	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.3	1.0
SW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
WSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0
W	.0	1.1	2.4	1.0	.1	.0	.0	.0	.0	.0	.0	4.0	1.0
WNW	.0	.0	1.0	1.0	.2	.0	.0	.0	.0	.0	.0	4.0	1.0
NW	.0	1.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	3.0	1.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
VARBL													
CALM												4.0	
	11.7	20.7	37.1	19.6	1.0	.0	.0	.0	.0	.0	.0	100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1496

SMOs

2475

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTA

[illegible]

CLASS

[illegible]

CONDITION

$$A_{\text{eff}} = V \left(\frac{1}{2} - \frac{1}{2} \frac{1}{\sqrt{1 + \frac{1}{2} \frac{1}{V}}} \right) \approx \frac{1}{2} V \left(1 - \frac{1}{\sqrt{1 + \frac{1}{2} \frac{1}{V}}} \right)$$
TOTAL NUMBER OF OBSERVATIONS**SMOS**

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
DIPNAVOCANMET

74-70

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 18000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 16000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 14000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 12000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 10000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 9000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 8000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 7000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 6000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 5000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 4500		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 4000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 3500		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 3000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 2500		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 2000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 1800		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 1500		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 1200		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 1000		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 900		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 800		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 700		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 600		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 500		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 400		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 300		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 200		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 100		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 0		48.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5

TOTAL NUMBER OF OBSERVATIONS 106

DIPNAVOCANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
DARVOCEANMET

74-79

YEARS

JAN
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)OF
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000		56.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000		56.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 16000		56.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000		57.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 12000		70.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000		76.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 9000		76.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 8000		81.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 7000		82.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 6000		83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000		83.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4500		83.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000		83.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500		83.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000		85.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500		85.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000		85.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800		85.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500		85.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1200		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		84.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

196

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
01701STATION NAME
CIELO GARCIA ISLAND

74-73

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	57.5	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000	66.7	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 10000	75.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	75.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1200	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 106

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GARCIA ISLAND

74-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 12000	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 9000	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	75.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	80.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	81.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	93.7	94.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAUCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME WILLIAM GARCIA TOWER YEAR 74-75 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	37.1	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000	51.1	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
18000	51.1	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
16000	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
14000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
12000	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
10000	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
9000	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
8000	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
7000	76.9	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
6000	78.1	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
5000	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
4500	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
4000	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
3500	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
3000	80.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2500	80.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2000	80.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1800	80.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1500	81.4	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
1200	85.7	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
1000	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
900	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
800	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
700	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
600	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
500	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
400	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
300	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
200	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
100	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0	86.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 126

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PACIFIC SANDIA ISLAND

STATION NAME

74-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17

HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 20000	49.5	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	51.0	51.8	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 16000	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 14000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 7000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 6000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1800	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1200	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 900	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 800	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 700	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 600	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 400	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 300	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 200	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 100	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 100 STATION NAME

74-79

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		1.6	51.6	51.6	51.6	1.6	51.6	1.6	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
≥ 20000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
18000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
16000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
14000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
12000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
10000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
9000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
8000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
7000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
6000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
5000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
4500		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
4000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
3500		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
3000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2500		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1800		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1500		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1200		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
900		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
800		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
700		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
600		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
500		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
400		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
300		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
200		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
100		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
0		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.E.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 18000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 16000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 14000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 12000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 10000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 9000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 8000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 7000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 6000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 5000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 4500	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 4000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 3500	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 3000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 2500	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 2000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 1800	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 1500	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 1200	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 1000	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 900	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 800	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 700	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 600	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 500	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 400	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 300	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 200	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 100	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 0	41.9	41.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5

TOTAL NUMBER OF OBSERVATIONS

126

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GARCIA ISLAND

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 7000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 2500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 2000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 1800	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 1500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 1200	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 1000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 900	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 800	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 700	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 600	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 400	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 300	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 200	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 100	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5

TOTAL NUMBER OF OBSERVATIONS

14

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHLEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0	
NO CEILING	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 20000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 18000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 16000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 12000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 10000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 9000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 8000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 7000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 6000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 5000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 4500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 4000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 3500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 3000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 2500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 2000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 1800	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 1500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 1200	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 1000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 900	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 800	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 700	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 600	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 400	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 300	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 200	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 100	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
IV 0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 20000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 18000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 16000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 14000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 12000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 10000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 9000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 8000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 7000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 6000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 5000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4500	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3500	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2500	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1800	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1500	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1200	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1000	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 900	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 800	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 700	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 600	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 500	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 400	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 300	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 200	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 100	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 0	7.7	5.1	4.1	3.1	2.1	1.3	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCLANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	73.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 150

DIPNAVOCEANNET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	71.4	55.4	51.0	50.4	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 20000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 18000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 500	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 400	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 300	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 200	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 100	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 0	77.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS

169

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-73

YEARS

FEET

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 10000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 9000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 8000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 5000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 4500	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 4000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3500	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2500	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1800	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1500	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1200	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 900	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 800	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 700	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 600	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 500	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 400	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 300	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 200	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 100	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7

TOTAL NUMBER OF OBSERVATIONS 160

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: CAPE MAY ISLAND YEAR: 74-75 MONTH: 75
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS: 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 18000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 16000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 12000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 9000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 8000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 7000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 6000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 5000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 169

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-73
STATION

7-73
STATION NAME

74-74
YEARS

23
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 10000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 9000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 7000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 6000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1200	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 160

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
DIEZEL GARCIA ISLANDYEARS
74-79STATION
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS 11.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.7	56.4	56.3	56.3	56.3	56.3	56.3	56.5	56.9	56.8	56.8	56.8	56.7	56.6	56.9	56.8
≥ 20000	59.8	72.5	70.0	72.2	70.3	72.0	72.0	70.2	73.2	72.0	70.2	72.2	70.3	70.3	72.3	70.2
IV 18000	70.2	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	70.2	71.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 12000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 10000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 9000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 7000	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 6000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 5000	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4500	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 4000	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3500	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2000	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1800	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1200	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1000	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 900	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 800	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 700	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 600	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 500	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 400	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 300	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 200	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 100	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 00	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 0	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8

TOTAL NUMBER OF OBSERVATIONS 1352

DIRNAVUCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1512 GARCIA ISLAND

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1200	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 126

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000		73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000		74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000		75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000		76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000		81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 10000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 9000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 8000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 7000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 900		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 800		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 700		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 600		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 400		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 300		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 200		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 100		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 0		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6

TOTAL NUMBER OF OBSERVATIONS 136

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
GILLY GARCIA ISLAND

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & S)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	62.9	67.7	62.9	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 12000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 10000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 9000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 6000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 156

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE YEAR: 70 MONTH: 1
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS: 1 LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
IV 20000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 12000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 10000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 6000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1600	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 700	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 600	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 400	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 300	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 200	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 100	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS: 176

DIRNAVOCEANMET SMOS

NATIONAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	5.7	7.7	5.7	7.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 20000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 14000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 12000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 10000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 9000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 8000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 6000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 5000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1800	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1200	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 900	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 800	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 700	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 600	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 400	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 300	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 200	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 100	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TOTAL NUMBER OF OBSERVATIONS 1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		1.0	01.0	01.0	01.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 16000		0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV 14000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVY WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEAT/DET 5005

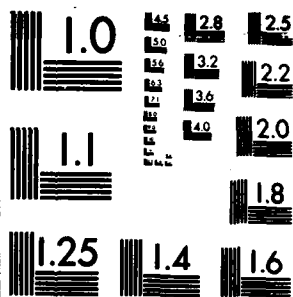
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
DIEGO GARCIA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC MAR 84

3/4

F/G 4/2

NI

A 10x10 grid of squares. The top-left square (row 1, column 1) is missing, leaving a 9x10 grid of squares. The grid is composed of 90 squares in total.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 20000		75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000		76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000		76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000		80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 12000		82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 10000		85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 9000		85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 8000		88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000		88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 6000		88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000		89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4500		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000		89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500		97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200		98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70771
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 12000	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 10000	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 9000	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 7000	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 6000	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 4500	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3500	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2000	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	95.7	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	97.5	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	98.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	98.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1408

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSAPD
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 18000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 16000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 14000		80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 12000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 9000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 8000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 7000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500		95.7	96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200		96.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70701
STATION

CIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 18000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 14000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 14000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 12000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 10000		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 9000		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 8000		84.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 7000		85.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 6000		85.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000		85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500		85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4000		85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500		85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000		86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500		86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2000		86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800		86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500		93.3	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200		95.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70701
STATIONDIEGO GARCIA ISLAND
STATION NAME74-79
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)28
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 18000		72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 16000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000		77.8	77.8	77.8	77.8	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 10000		79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000		79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 8000		83.9	84.4	84.4	84.4	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 7000		85.6	86.1	86.1	86.1	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000		86.7	87.2	87.2	87.2	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 5000		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4500		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4000		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800		87.2	87.8	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500		92.3	93.3	93.3	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200		96.7	97.2	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		97.8	98.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70711
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

APD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 18000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 16000		72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IN 14000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IN 12000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IN 10000		78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 9000		78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 8000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IN 7000		85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IN 6000		86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IN 5000		87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 4500		87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 4000		88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IN 3500		88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IN 3000		89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 2500		89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 2000		89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 1800		89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 1500		93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IN 1200		96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IN 1000		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 900		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 800		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 700		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 600		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 500		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 400		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 300		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 200		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 100		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 0		97.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 180

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DIEGO GARCIA ISLAND

74-79

YEARS

AP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000		59.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000		71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000		72.2	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 14000		72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000		76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 10000		80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 9000		80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 8000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 7000		87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 6000		87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4000		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500		87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000		87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800		87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500		95.0	96.1	96.1	96.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		97.2	98.3	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.2	98.3	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

707-1
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

APD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000		70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 16000		72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000		81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 9000		81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 8000		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 7000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 6000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 5000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4500		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3500		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DIEGO GARCIA ISLAND

74-79

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000		76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 18000		79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000		80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 14000		81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 12000		82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 10000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 9000		84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 8000		89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000		90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 6000		92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 5000		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4500		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4000		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3500		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3000		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800		93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500		96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		96.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-731
STATIONIEC2 GARCIA ISLAND
STATION NAME74-79
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 8000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 7000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 6000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 5000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2500	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1800	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 170

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1791 STATION NAME DIEZ GARCIA ISLAND YEARS 74-79 MONTH ALL HOURS 11 EST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000		72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 18000		74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000		74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 14000		76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 12000		79.5	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 10000		81.6	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 9000		81.6	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000		86.3	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 7000		87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 6000		88.2	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 5000		89.2	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500		89.2	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4000		89.4	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500		89.4	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000		89.7	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500		89.7	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2000		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1000		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 900		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 800		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 700		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 600		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 500		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 400		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 300		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 200		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 100		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 0		89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4

TOTAL NUMBER OF OBSERVATIONS 1440

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-751
STATION

DISCO GARCIA ISLAND
STATION NAME

74-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 18000	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 12000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 9000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 8000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 7000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 16

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
GALICIA ISLAND

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 18000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 14000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 12000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 10000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 9000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 6000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 5000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

136

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70201
STATIONDIPLO GARCIA ISLAND
STATION NAME74-70
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 20000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 12000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 10000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 9000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 8000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 7000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 6000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 5000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	97.9	98.4	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	97.9	98.4	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

106

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 20000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 12000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 10000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 8000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 5000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 4500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 4000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 196

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-721
STATION

DIEZ GARCIA ISLAND
STATION NAME

74-7
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
18000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
16000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
14000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
12000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
10000		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
9000		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
8000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
7000		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
6000		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
5000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
4500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
4000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
3500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2000		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1800		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1500		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1200		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1000		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
900		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
800		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
600		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
400		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

106

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

751
STATIONSTATION NAME
STEELE GARCIA ISLAND

74-79

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 18000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 16000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 14000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 12000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 10000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 9000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 8000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4500	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-701
STATION

DIEGO GARCIA ISLAND
STATION NAME

74-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 12000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 10000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 8000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 6000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 5000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 4500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 4000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	94.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	97.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 186

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PIEDMONT GARCIA ISLAND

STATION NAME

74-79

YEARS

MONTH

23

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 18000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 16000		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 14000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 12000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 10000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 9000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 8000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 7000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1500		95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

156

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & N)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 18000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 16000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 14000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 12000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 10000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 9000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 7000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 6000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 5000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1200	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 600	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 400	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 300	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 200	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 100	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS 1428

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

02

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 20000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 18000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 16000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 14000		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 12000		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 10000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 9000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 8000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 6000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 5000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4500		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3500		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000		91.7	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2500		91.7	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000		93.3	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800		93.3	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500		97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		98.3	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DE
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 20000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 18000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 14000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 14000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 12000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 10000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 9000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 8000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 7000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 6000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 5000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000		91.1	91.6	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1800		91.1	91.6	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500		95.5	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		96.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

170

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
731STATION NAME
DIEZ GARCIA ISLANDYEARS
74-79

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		67.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 20000		77.2	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 18000		78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 16000		78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 14000		81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 12000		85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 10000		88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 9000		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 8000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 7000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 5000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4500		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3500		91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 190

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FIELD GARCIA ISLAND

74-75

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		72.2	62.2	52.2	42.2	32.2	22.2	12.2	8.2	6.2	4.2	3.2	2.2	1.2	0.2	0.2
≥ 20000		78.3	75.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 18000		79.4	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 16000		80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 14000		81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 12000		82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 10000		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 9000		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 8000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000		87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500		87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DIRNAVOCEANMET

STATION NAME

74-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS - L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	75.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 16000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 14000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 6000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 300	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 200	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 100	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

24-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	72.4	51.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
18000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
16000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
14000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
12000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
10000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
9000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
8000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
7000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
6000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
5000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
4500	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
4000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
3500	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
3000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2500	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1800	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1500	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1200	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1000	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
900	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
800	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
700	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
600	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
500	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
400	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
300	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
200	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
100	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
0	72.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2

TOTAL NUMBER OF OBSERVATIONS 17

DIPNAVOCEANMET 2 MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME STEPHEN GARZA ISLAND

74-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 12000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 10000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 9000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 7000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 6000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 5000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4500	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 180

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 20000	75.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 18000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 16000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 12000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 9000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 8000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 7000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 6000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 5000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 3500	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 3000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 120

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
GARCIA ISLAND

74-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 18000	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 16000	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 14000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 12000	84.9	85.7	85.0	85.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 10000	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 8000	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 7000	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 6000	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 5000	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	90.2	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3500	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3000	90.9	90.8	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	91.6	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	91.6	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1500	95.9	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	97.6	99.7	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.3	99.1	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 900	97.3	99.1	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 800	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 700	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	98.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	98.2	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	98.2	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1439

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 18000	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 16000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 10000	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 9000	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2500	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1000	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 900	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 800	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 700	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 600	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 500	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 400	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 300	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 200	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 100	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 0	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8

TOTAL NUMBER OF OBSERVATIONS 146

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

OCEAN GARCIA ISLAND

4-79

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)PERCENT
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		62.9	62.9	62.9	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000		68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 9000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4500		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 0		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/16	≥ 0
NO CEILING	43.9	47.9	48.9	43.9	48.9	47.9	48.9	43.9	43.9	43.9	48.9	47.9	43.9	43.9	43.9
≥ 20000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 9000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	93.8	94.1	94.6	94.6	94.6	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	96.8	97.9	98.4	98.4	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

126

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
721STATION NAME
SIELE GARCIA ISLAND

74-75

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS L.E.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 9000		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 7000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 6000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4500		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 100		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

70731
STATIONCISCO GARCIA ISLAND
STATION NAME74-75
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 20000		41.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000		42.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000		62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000		73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000		78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 7000		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 146

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		40.3	47.7	41.3	40.3	40.3	40.3	40.3	47.7	40.3	40.3	40.3	47.7	40.3	47.7	40.3
IV 20000		55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 18000		55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 16000		57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000		60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000		71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000		72.0	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000		76.9	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000		79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000		81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000		82.3	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500		82.3	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4000		83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 3500		85.0	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000		86.6	86.6	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500		87.1	87.1	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000		88.2	88.2	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800		88.2	88.2	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500		93.7	93.7	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200		96.2	96.2	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000		97.3	97.9	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		97.3	97.9	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		97.3	98.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

196

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-79

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 10000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 7000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 106

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DIEZ GARCIA ISLAND

STATION NAME

74-75

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000		68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 12000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 10000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 6000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1600		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STC 2 GARCIA ISLAND

74-79

YEARS

JUL

ALL

HOUS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 18000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 14000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 12000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 8000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 5000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1800	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 600	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 200	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 100	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS 148

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	76.5	55.5	53.5	51.5	48.5	46.5	44.5	42.5	40.5	38.5	36.5	34.5	32.5	30.5	28.5	26.5
IV 20000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 18000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	67.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 6000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 900	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 800	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 600	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 400	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 300	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 200	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 100	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9

TOTAL NUMBER OF OBSERVATIONS

156

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SAVIA ISLAND

STATION NAME

19-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	5.6	67.6	83.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
16000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
14000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
12000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
10000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
8000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
7000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
6000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
4500	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
4000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
3000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1800	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
1500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1200	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
1000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
900	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
800	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
700	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
600	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
500	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
400	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
300	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
200	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
100	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS

1-1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS - L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 20000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 10000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 9000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 8000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 7000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 5000		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4000		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3500		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
STA 100

STATION NAME
STA 100

73-75

YEARS

STATION NAME
STA 100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS 11.1 & 1.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	57.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
18000	62.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
16000	62.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
12000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
10000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
9000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
8000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
7000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
5000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
4500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
4000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
3500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
3000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1800	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1200	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
900	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
800	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
700	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
600	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
400	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
300	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
200	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
100	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GARCIA ISLAND

STATION NAME

73-74

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 6/16	≥ 4	≥ 0
NO CEILING	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 18000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	77.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	77.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1200	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 900	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 800	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 700	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 600	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 500	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 400	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 300	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 200	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 100	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7

TOTAL NUMBER OF OBSERVATIONS

106

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-7

YEARS

NO. TH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000		57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000		58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000		59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000		62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000		76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 3500		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500		79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 2000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1500		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1200		95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1000		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0		95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 106

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GARCIA ISLAND

STATION NAME

73-7

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 18000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 16000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 10000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 6000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

186

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
70701

STATION NAME
DIEM GARCIA ISLAND

73-75

YEARS

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

27
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 18000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 16000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 9000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 7000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 6000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1800	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 100	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 196

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GARCIA ISLAND

STATION NAME

73-75

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000		67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
18000		67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
16000		68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
14000		70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
12000		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
10000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9000		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
8000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
7000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
6000		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
5000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
4500		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
4000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
3500		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3000		85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2500		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2000		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
1800		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
1500		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1200		89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
1000		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
900		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
800		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
700		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
600		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
500		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
400		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
300		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
200		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
100		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
0		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS

1488

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 12000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 3500	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 3000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2500	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1
IV 1500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	94.3	94.3	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	94.3	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	94.3	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.2	96.2	96.2	97.6	97.6	97.6	97.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 210

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DISC GARCIA ISLAND

STATION NAME

72-79

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	56.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 16000	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 12000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	79.1	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	79.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	79.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	80.5	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	80.5	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	81.0	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500	81.0	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000	81.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1800	81.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1500	82.9	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1200	84.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1000	85.2	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 900	85.2	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 800	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.7	89.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
DIEGO GARCIA ISLAND

73-75

YEARS

SEP
MONTH

08

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
NV 18000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
NV 16000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
NV 14000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
NV 12000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
NV 10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
NV 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
NV 8000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
NV 7000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
NV 6000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
NV 5000	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
NV 4500	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
NV 4000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
NV 3500	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
NV 3000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
NV 2500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
NV 2000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
NV 1800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
NV 1500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
NV 1200	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
NV 1000	95.7	96.7	97.1	97.1	97.6	97.6	97.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 900	96.2	97.1	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
NV 800	96.7	98.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 700	96.7	98.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 600	96.7	98.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 500	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NV 400	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NV 300	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NV 200	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NV 100	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NV 0	96.7	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 15

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 02277 GARCIA ISLAND

73-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS L E S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 20000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 3500	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-
HOURS L E S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 18000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 10000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 9000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 7000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 900	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 700	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 600	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 400	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 300	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 100	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1

TOTAL NUMBER OF OBSERVATIONS

71

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

CIA ISLAND

STATION NAME

1957-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 900	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 700	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 600	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 400	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 300	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 100	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

7-10

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 0
NO CEILING	4.7	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
IV 20000	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7
IV 18000	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7
IV 16000	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7
IV 14000	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7
IV 12000	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7
IV 10000	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7
IV 9000	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7
IV 8000	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7
IV 7000	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7
IV 6000	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7
IV 5000	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7
IV 4500	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7
IV 4000	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7
IV 3500	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7
IV 3000	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7
IV 2500	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7
IV 2000	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7
IV 1800	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7
IV 1500	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7
IV 1200	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7
IV 1000	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7
IV 900	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7
IV 800	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7
IV 700	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7
IV 600	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7
IV 500	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7
IV 400	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7
IV 300	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7	47.7
IV 200	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7	47.7	48.7
IV 100	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7	47.7	48.7	49.7
IV 0	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7	47.7	48.7	49.7	50.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	65.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 18000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 5000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1800	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1200	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 900	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 800	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 700	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 600	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 400	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 300	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 200	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 100	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

TOTAL NUMBER OF OBSERVATIONS

212

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME SAN GARCIA ISLAND YEARS 73-79 MONTH SEP
 STATION 10001 ALL
 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.3	51.3	1.3	51.3	1.3	51.3	1.3	51.3	1.3	51.3	1.3	51.3	1.3	51.3	51.3
≥ 20000		63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 18000		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000		66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 10000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000		74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 8000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000		77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500		79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000		80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1800		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 1500		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1200		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 800		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 600		89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 500		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 400		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 300		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 200		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 100		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 0		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS 15

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME GARCIA ISLAND

77-78

YEARS

001 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 12000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 10000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 7000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 6000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1200	93.4	94.9	95.9	96.7	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	94.9	97.2	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
7721

STATION NAME
DIEGO GARCIA ISLAND

73-74

YEARS

MONTH
OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
18000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
16000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
14000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
12000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
9000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
8000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
7000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
3500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
3000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
2500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
2000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
1800	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
1500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1200	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 117

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-79

YEARS

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 20000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 7000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 5000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1800	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1200	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 700	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 600	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 400	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 300	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 200	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 100	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS

217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PILL, GARCIA ISLAND STATION 73-79 YEARS 061 MONTH 11
 HOURS 11 EST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.9	57.9	53.9	51.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 18000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 10000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 217

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 10000 GAFFA ISLAND

77-78

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1600	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
73-201STATION NAME
DIEGO GARCIA ISLANDYEARS
73-79MONTH
OCTPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 16000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 5000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.4	83.4
IV 1800	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.4	83.4
IV 1500	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1200	96.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.7
IV 1000	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 900	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 800	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 700	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 600	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 500	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 400	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 300	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 200	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 100	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
IV 0	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 217

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
STATION NAME

73-79

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 12000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1800	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
SARCIA ISLAND

77-79

YEARS

CCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 16000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 14000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 7000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 2500	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 2000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1800	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 217

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

7-101
STATION

DISCO, GAMBIA ISLAND
STATION NAME

73-75
YEARS

1967
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOUSE (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	53.4	57.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 10000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1500	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 700	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 300	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 200	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 100	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS 1736

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-79

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 20000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 18000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 16000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 14000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 12000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 10000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 9000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 7000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 6000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4500	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1200	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 900	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 800	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 700	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 600	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 400	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 300	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 200	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 100	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

13-14

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	65.7	51.2	55.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 18000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 16000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 14000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 12000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 9000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 7000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 900	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 700	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 600	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 400	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 300	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 100	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVEILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	61.0	61.9	61.0	1.0	1.0	1.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	1.0
IV 20000	67.6	67.6	67.6	67.6	7.6	67.6	7.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 18000	67.6	67.6	67.6	67.6	67.6	67.6	7.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 16000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 6000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 5000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1800	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1200	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 900	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 800	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 700	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 600	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 400	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 300	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 200	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 100	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS 11.5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 20000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 73-74 MONTH: NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS: 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS: 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
 12-77
 STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		1.0	51.0	51.0	51.0	1.0	51.0	1.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000		64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000		64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000		64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 10000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 8000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 7000		79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000		80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 5000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000		84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3500		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1800		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: DIPNAVOCEANMET STATION NAME: SMOS YEARS: 73-79 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST): 20

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	12.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 18000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 16000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1800	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1200	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 900	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 800	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 700	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 600	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 400	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 300	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 200	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 100	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9

TOTAL NUMBER OF OBSERVATIONS: 110

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
SANDIA ISLAND

73-74

YEARS

NO.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 20000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 18000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 16000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 14000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 9000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 8000		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 7000		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 6000		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4500		88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3500		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2500		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1200		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-74

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 18000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1800	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 1610

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME GARCIA ISLAND

12-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 18000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 12000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 6000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1800	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1500	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 900	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 800	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 700	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 600	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 500	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 400	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 300	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 200	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 100	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-79

YEARS

DIC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 14000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1800	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1500	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1200	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 900	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 800	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 700	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 600	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 500	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 400	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 300	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 200	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 100	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	62.2	62.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 16000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 10000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 9000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 7000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 6000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 800	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 400	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 300	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 200	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 100	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.2	51.2	51.2	51.2	51.2	1.2	51.2	1.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
18000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
16000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
14000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
12000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
10000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
9000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
8000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
7000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
6000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
5000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
4500	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
4000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3500	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2500	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1800	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1500	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1200	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1000	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
900	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
800	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
700	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
600	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
500	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
400	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
300	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
200	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
100	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
0	5.2	65.2	65.2	65.2	65.2	5.2	65.2	5.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2

TOTAL NUMBER OF OBSERVATIONS 17

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ARLVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ARLVILLE, NC YEAR: 1960 MONTH: 14

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	52.1	57.1	50.5	52.5	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	54.5	54.7	65.0	57.1	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	55.1	55.7	65.4	57.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 16000	55.4	55.4	65.9	57.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 14000	56.4	56.4	66.8	56.8	56.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 12000	71.2	71.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	79.7	79.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 5000	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 18000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 16000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 12000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 10000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 9000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 8000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 7000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 6000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 5000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 4500	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 4000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 3500	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 3000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 2500	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 2000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1800	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1500	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1200	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1000	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 900	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 800	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 700	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 600	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 500	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 400	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 300	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 200	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 100	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 0	49.3	47.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-75

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING		4.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 16000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 12000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 5000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2500		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1800		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1500		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1200		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1000		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 900		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 800		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 700		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 600		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 500		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 400		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 300		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 200		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 100		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 0		2.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: SAVING ISLAND YEARS: 71-72 MONTH:
 STATION: HOURS:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 18000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 16000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 12000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 9000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 7000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 6000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 5000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 1800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 1500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 1200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 1000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 900	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 700	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 600	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 400	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 300	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 100	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1

TOTAL NUMBER OF OBSERVATIONS:

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 20000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 18000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 16000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 14000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 12000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 10000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 9000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 8000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 7000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 6000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 5000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 4500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 4000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 3500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 3000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 2500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 2000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 1800	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 1500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 1200	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 1000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 900	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 800	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 700	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 600	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 400	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 300	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 200	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 100	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4

TOTAL NUMBER OF OBSERVATIONS 1736

DIR NAVOCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-79

YEARS

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 18000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 16000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 14000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 12000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 10000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 9000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 8000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 400		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 300		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 200		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 100		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 0		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS 10000

DIPNAVOCEANMET SMOS

STATION

STATION NAME

15-00000

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

74-103

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

72
STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

2

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
74-77			

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

SKY COVER

701 STATION NAME 74-75 PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	01	0.1			4.0						1.3	1.4	0.6	1.4
	02	0.7			1.3						1.1	1.2	0.7	1.0
	03	1.2			2.1						1.7	1.1	0.7	1.0
	04	1.0			2.7						2.0	1.2	0.8	1.0
	05	1.0			3.7						2.0	1.2	0.8	1.0
	06	1.0			3.7						2.0	1.2	0.8	1.0
	07	1.0			4.0						2.0	1.2	0.8	1.0
	08	1.0			4.0						2.0	1.2	0.8	1.0
	09	1.0			4.0						2.0	1.2	0.8	1.0
	10	1.0			4.0						2.0	1.2	0.8	1.0
	11	1.0			4.0						2.0	1.2	0.8	1.0
	12	1.0			4.0						2.0	1.2	0.8	1.0
	13	1.0			4.0						2.0	1.2	0.8	1.0
	14	1.0			4.0						2.0	1.2	0.8	1.0
	15	1.0			4.0						2.0	1.2	0.8	1.0
	16	1.0			4.0						2.0	1.2	0.8	1.0
	17	1.0			4.0						2.0	1.2	0.8	1.0
	18	1.0			4.0						2.0	1.2	0.8	1.0
	19	1.0			4.0						2.0	1.2	0.8	1.0
	20	1.0			4.0						2.0	1.2	0.8	1.0
	21	1.0			4.0						2.0	1.2	0.8	1.0
	22	1.0			4.0						2.0	1.2	0.8	1.0
	23	1.0			4.0						2.0	1.2	0.8	1.0
	24	1.0			4.0						2.0	1.2	0.8	1.0
	25	1.0			4.0						2.0	1.2	0.8	1.0
	26	1.0			4.0						2.0	1.2	0.8	1.0
	27	1.0			4.0						2.0	1.2	0.8	1.0
	28	1.0			4.0						2.0	1.2	0.8	1.0
	29	1.0			4.0						2.0	1.2	0.8	1.0
	30	1.0			4.0						2.0	1.2	0.8	1.0
	31	1.0			4.0						2.0	1.2	0.8	1.0
TOTALS		11.0			31.9						37.1	19.3	5.8	1488

MDM2

NAWEASERVCOM

STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL		10.0			1.0						10.0	10.0	1.0	1.0
AUG		1.0			30.0						10.0	20.0	1.0	1.0
SEP		1.0			1.0						13.0	22.0	1.0	1.0
OCT	11	1.0			1.0						20.1	32.3	1.0	1.0
NOV	1	10.0			1.0						30.0	17.0	7.3	1.0
DEC	1	11.0			1.0						11.0	43.0	7.6	1.0
JAN		10.0			24.0						11.0	17.3	1.0	1.0
FEB	2	10.1			1.0						20.0	1.0	1.0	1.0
MAR														
APR														
MAY														
JUN														
TOTALS		1.0			31.0						32.5	21.7	1.0	1.0

72-76

REMARKS

MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

PERIOD

MONTU

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

77-16

PERIOD

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
1		1.5			57.5						33.5	34.5	1	1
2		1.5			54.5						31.0	36.7	1.5	1
3		1.5			29.5						33.7	35.1	1.0	1
4	11	1.5			11.5						32.3	38.7	.5	1
5	1	1.5			17.5						30.5	37.5	.5	1
6	1	1.5			11.5						31.5	36.5	2.1	1
7		11.5			45.5						35.3	31.7	1.5	1
8		1.5			55.5						32.3	35.5	.5	1
9														
10														
11														
12														
TOTAL:		1.5			21.5						31.5	35.5	6.7	17

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

SKY COVER

MONTH

[illegible]

NAVWEASERVCOM

AD A160 397 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
DIEGO GARCIA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC MAR 84

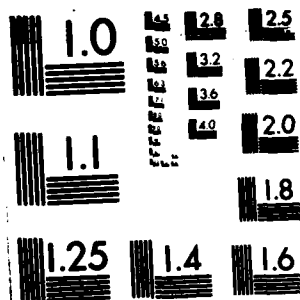
4/4

F/G 4/2

NI

A large grid of 100 small squares, arranged in 10 rows and 10 columns. The grid is mostly empty, with a few small black squares visible in the top-left corner. A small label is present in the bottom-right corner of the grid.

END
DATE
FILED
8 - 85



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NOCED, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

2

SKY COVER

7 701 FIELD GARCIA ISLAND

73-79

11

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	11.0			20.0						36.6	20.9	7.0	1408
FEB		10.7			20.6						30.4	21.3	6.3	1702
MAR		10.2			18.0						33.9	17.8	6.0	1408
APR		10.3			32.2						33.7	20.9	6.1	1440
MAY		11.7			38.9						30.1	19.3	5.9	1408
JUN		10.7			34.8						35.3	19.0	6.1	1440
JUL		18.0			21.9						32.5	31.7	6.8	1408
AUG		10.7			25.6						35.6	25.9	6.6	1408
SEP		12.3			23.3						31.7	31.7	6.7	1600
OCT		10.2			24.5						31.8	30.5	6.7	1736
NOV		10.0			31.7						33.1	23.2	6.2	1600
DEC		11.2			29.0						34.9	24.1	6.4	1736
TOTALS		10.3			29.0						34.0	24.7	6.4	18504

NAVWEASERVCOM

DAILY TEMPERATURES

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-82

YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

NAVWEASERVCOM

104891

DAILY TEMPERATURES

YEARS

MINIMU4

NAYWEASERVCOM

NAYWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	80.8	27.1	84.7	29.3	88	31.1	1981	76.9	24.9	74	23.3	1978
2	81.4	27.4	85.6	29.8	88	31.1	1981*	77.2	25.1	75	23.9	1977
3	81.6	27.6	85.7	29.8	90	32.2	1982	77.6	25.3	75	23.9	1980
4	79.5	26.4	83.9	28.8	89	31.7	1981	75.1	23.9	72	22.2	1981*
5	80.8	27.1	84.9	29.4	90	32.2	1981	76.8	24.9	73	22.8	1977
6	80.4	26.9	84.1	28.9	86	30.0	1975	76.7	24.8	74	23.3	1975
7	79.7	26.5	83.7	28.7	89	31.7	1978	75.8	24.3	73	22.8	1975
8	80.8	27.1	85.1	29.5	88	31.1	1981*	76.6	24.8	75	23.9	1982*
9	80.9	27.2	85.3	29.6	90	32.2	1977	76.6	24.8	73	22.8	1981
10	80.9	27.2	84.8	29.3	87	30.6	1977	77.0	25.0	72	22.2	1975
11	80.3	26.8	84.3	29.1	86	30.0	1981*	76.2	24.6	72	22.2	1982
12	80.8	27.1	85.6	29.8	89	31.7	1977	76.0	24.4	73	22.8	1975
13	81.6	27.6	86.3	30.2	89	31.7	1977*	76.9	24.9	75	23.9	1982*
14	80.1	26.7	84.2	29.0	88	31.1	1975	75.9	24.4	73	22.8	1978
15	80.6	27.0	84.6	29.2	90	32.2	1977	76.6	24.8	75	23.9	1981*
16	80.2	26.8	84.8	29.3	89	31.7	1977	75.7	24.3	73	22.8	1982*
17	80.2	26.8	84.0	28.9	87	30.6	1980*	76.3	24.6	73	22.8	1982
18	79.9	26.6	84.0	28.9	87	30.6	1980*	75.9	24.4	73	22.8	1982
19	80.6	27.0	84.8	29.3	88	31.1	1981*	76.4	24.7	73	22.8	1982*
20	80.7	27.1	84.6	29.2	89	31.1	1978	76.8	24.9	73	22.8	1982
21	79.7	26.5	84.0	28.9	88	31.1	1981*	75.3	24.1	72	22.2	1975
22	80.3	26.8	84.3	29.1	88	31.1	1981*	76.3	24.6	70	21.1	1975
23	79.1	26.2	83.3	28.5	88	31.1	1981	74.9	23.8	70	21.1	1979
24	80.2	26.8	84.3	29.1	90	32.2	1981	76.1	24.5	74	23.3	1980*
25	79.4	26.3	82.9	28.3	88	31.1	1981	76.0	24.4	74	23.3	1978*
26	80.7	27.1	85.0	29.4	91	32.8	1981	76.3	24.6	73	22.8	1975
27	80.6	27.0	85.3	29.6	90	32.2	1981	75.9	24.4	73	22.8	1981
28	79.7	26.5	83.3	28.5	86	30.0	1978*	76.1	24.5	74	23.3	1980*
29	80.6	27.0	84.3	29.1	87	30.6	1975	76.8	24.9	75	23.9	1981*
30	80.9	27.2	85.0	29.4	87	30.6	1980*	76.9	24.9	75	23.9	1981
31	80.0	26.7	83.4	28.6	85	29.4	1978	76.6	24.8	73	22.8	1975
Monthly	80.4	26.9	84.8	29.2	91	32.8	1981	76.3	24.6	70	21.1	1979*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	79.2	26.2	83.7	28.7	87	30.6	1977		74.6	23.7	73	22.8	1982*	
2	81.1	27.3	85.4	29.7	89	31.7	1978		76.7	24.8	73	22.8	1981	
3	80.5	26.9	84.1	28.9	87	30.6	1977		76.9	24.9	75	23.9	1981*	
4	80.6	27.0	84.4	29.1	87	30.6	1978		76.7	24.8	73	22.8	1981	
5	81.1	27.3	84.7	29.3	88	31.1	1981		77.4	25.2	76	24.4	1978*	
6	80.0	26.7	84.0	28.9	87	30.6	1976		76.0	24.4	74	23.3	1978	
7	80.4	26.9	84.7	29.3	87	30.6	1978		76.1	24.5	73	22.8	1982*	
8	81.3	27.4	85.4	29.7	88	31.1	1978		77.2	25.1	73	23.9	1982*	
9	81.8	27.7	86.4	30.2	90	32.2	1978		77.2	25.1	73	22.8	1975	
10	81.9	27.7	86.5	30.3	88	31.1	1982*		77.4	25.2	73	22.8	1974	
11	81.5	27.5	85.2	29.6	88	31.1	1982*		77.7	25.4	74	23.3	1976*	
12	81.8	27.7	86.0	30.0	88	31.1	1981*		77.6	25.3	74	23.3	1974	
13	81.4	27.4	86.0	30.0	88	31.1	1981*		76.9	24.9	73	22.8	1977	
14	80.7	27.1	85.4	29.7	88	31.1	1981*		76.0	24.4	72	22.2	1975	
15	80.4	26.9	84.6	29.2	89	31.7	1978		76.2	24.6	72	22.2	1975	
16	81.1	27.3	85.9	29.9	88	31.1	1981*		76.4	24.7	73	22.8	1974	
17	81.9	27.7	85.7	29.8	88	31.1	1978*		78.0	25.6	74	23.3	1974	
18	81.8	27.7	86.0	30.0	89	31.7	1981		77.6	25.3	74	23.3	1974	
19	81.7	27.6	86.7	30.4	90	32.2	1981		76.7	24.8	75	23.9	1981*	
20	81.7	27.6	86.2	30.1	88	31.1	1981		77.2	25.1	73	22.8	1975	
21	81.2	27.3	85.4	29.7	88	31.1	1975		77.0	25.0	75	23.9	1982*	
22	82.1	27.8	85.9	29.9	89	31.7	1975		78.2	25.7	75	23.9	1974	
23	81.8	27.7	85.9	29.9	88	31.1	1981*		77.7	25.4	74	23.3	1974	
24	82.0	27.8	86.7	30.4	90	32.2	1981		77.2	25.1	75	23.9	1981*	
25	82.5	28.1	87.0	30.6	89	31.7	1977		78.0	25.6	74	23.3	1974	
26	80.9	27.2	86.0	30.0	89	31.7	1977		78.7	26.3	72	22.2	1979	
27	81.1	27.3	85.7	29.8	88	31.1	1982*		76.5	24.7	73	22.8	1974	
28	82.0	27.8	86.6	30.3	90	32.2	1981		77.4	25.2	74	23.3	1979	
29	81.0	27.2	86.0	30.0	86	30.0	1976		76.0	24.4	76	24.4	1976	
30														
31														
Monthly	81.3	27.4	85.6	29.8	90	32.2	1981*		77.0	25.0	72	22.2	1979*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	81.6	27.6	86.6	30.3	90	32.2	1981	76.6	24.8	73	22.8	1975
2	82.8	28.2	87.3	30.7	90	32.2	1982*	78.3	25.7	74	23.3	1974
3	82.6	28.1	88.9	31.6	95	35.0	1974	76.3	24.6	72	22.2	1979
4	82.4	28.0	87.7	30.9	90	32.2	1981	77.1	25.1	74	23.3	1979*
5	81.9	27.7	86.7	30.4	91	32.8	1981	77.1	25.1	73	22.8	1974
6	81.4	27.4	86.3	30.2	91	32.8	1981	76.4	24.7	72	22.2	1979
7	82.4	28.0	87.0	30.6	90	32.2	1981	77.9	25.5	72	22.2	1975
8	82.1	27.8	86.7	30.4	91	32.8	1981	77.4	25.2	73	22.8	1975
9	82.1	27.8	87.0	30.6	90	32.2	1982*	77.3	25.2	73	22.8	1974
10	81.0	27.2	85.4	29.7	90	32.2	1981	76.6	24.8	72	22.2	1975
11	81.6	27.6	85.6	29.8	88	31.1	1981*	77.6	25.3	74	23.3	1975
12	82.5	28.1	87.1	30.6	90	32.2	1982	77.9	25.5	73	22.8	1975
13	82.4	28.0	86.7	30.4	90	32.2	1981	78.0	25.6	75	23.9	1975*
14	82.1	27.8	86.9	30.5	90	32.2	1978	77.4	25.2	75	23.9	1974
15	82.1	27.8	86.4	30.2	90	32.2	1981	77.9	25.5	74	23.3	1979
16	81.6	27.6	85.9	29.9	89	31.7	1978	77.4	25.2	75	23.9	1979
17	82.1	27.8	86.6	30.3	89	31.7	1978*	77.7	25.4	73	22.8	1974
18	82.4	28.0	87.0	30.6	90	32.2	1981	77.7	25.4	75	23.9	1978*
19	81.1	27.3	85.4	29.7	88	31.1	1977	76.7	24.8	74	23.3	1978
20	80.8	27.1	85.6	29.8	88	31.1	1978*	76.0	24.4	73	22.8	1982
21	82.1	27.8	87.3	30.7	89	31.7	1977	76.9	24.9	73	22.8	1974
22	81.2	27.3	86.3	30.2	88	31.1	1982*	76.1	24.5	75	23.9	1982*
23	82.5	28.1	87.1	30.6	88	31.1	1981*	77.9	25.5	75	23.9	1977
24	82.7	28.2	87.1	30.6	88	31.1	1982*	78.3	25.7	75	23.9	1977
25	83.1	28.4	87.9	31.1	88	31.1	1982*	78.4	25.8	75	23.9	1974
26	81.9	27.7	86.3	30.2	88	31.1	1981*	77.6	25.3	75	23.9	1978
27	82.4	28.0	87.0	30.6	88	31.1	1981*	77.7	25.4	71	21.7	1974
28	81.8	27.7	86.3	30.2	88	31.1	1978*	77.3	25.2	71	21.7	1974
29	82.7	28.2	87.7	30.9	90	32.2	1981	77.7	25.4	74	23.3	1974
30	82.0	27.8	86.9	30.5	88	31.1	1982*	77.1	25.1	75	23.9	1981*
31	81.7	27.6	85.1	29.5	88	31.1	1978	78.3	25.7	74	23.3	1975
Monthly	82.0	27.8	86.7	30.4	95	35.0	1974	77.4	25.2	71	21.7	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	81.9	27.7	86.5	30.3	88	31.1	1981*	77.2	25.1	75	23.9	1982*
2	82.1	27.8	86.5	30.3	88	31.1	1978*	77.6	25.3	73	22.8	1974
3	81.8	27.7	86.5	30.3	91	32.8	1977	77.1	25.1	72	22.2	1974
4	81.7	27.6	87.0	30.6	89	31.7	1978	76.4	24.7	70	21.1	1974
5	81.6	27.6	87.1	30.6	89	31.7	1978	76.0	24.4	71	21.7	1974
6	82.3	27.9	86.6	30.3	90	32.2	1981	78.0	25.6	74	23.3	1975
7	81.4	27.4	86.5	30.3	90	32.2	1981	76.2	24.6	72	22.2	1975
8	81.4	27.4	86.5	30.3	90	32.2	1981	76.2	24.6	71	21.7	1979
9	82.6	28.1	87.2	30.7	91	32.8	1981	77.9	25.5	73	22.8	1974
10	82.0	27.8	86.5	30.3	90	32.2	1981	77.5	25.3	74	23.3	1975*
11	82.1	27.8	86.5	30.3	90	32.2	1982*	77.7	25.4	74	23.3	1975
12	82.7	28.2	86.9	30.5	91	32.8	1981	78.5	25.8	74	23.3	1975
13	81.7	27.6	86.6	30.3	88	31.1	1981*	76.9	24.9	75	23.9	1979
14	82.4	28.0	86.7	30.4	88	31.1	1982*	78.0	25.6	76	24.4	1975
15	82.4	28.0	87.1	30.6	90	32.2	1981	77.7	25.4	75	23.9	1975*
16	82.1	27.8	86.4	30.2	88	31.1	1979*	77.9	25.5	75	23.9	1975*
17	82.2	27.9	86.9	30.5	88	31.1	1982*	77.6	25.3	75	23.9	1974
18	81.6	27.6	86.0	30.0	88	31.1	1982*	77.2	25.1	72	22.2	1974
19	82.1	27.8	86.1	30.1	90	32.2	1982	78.0	25.6	75	23.9	1976
20	82.2	27.9	86.4	30.2	90	32.2	1982*	78.1	25.6	75	23.9	1976
21	82.6	28.1	86.9	30.5	90	32.2	1981	78.4	25.8	76	24.4	1975
22	81.4	27.4	85.1	29.5	86	30.0	1982*	77.7	25.4	73	22.8	1974
23	81.4	27.4	85.4	29.7	89	31.7	1977	77.5	25.3	74	23.3	1974
24	81.9	27.7	86.7	30.4	88	31.1	1982*	77.0	25.0	71	21.7	1975
25	81.6	27.6	84.9	29.4	89	31.7	1977	78.4	25.8	74	23.3	1975
26	81.6	27.6	85.5	29.7	89	31.7	1976	77.7	25.4	74	23.3	1975
27	81.5	27.5	85.2	29.6	87	30.6	1978*	77.7	25.4	74	23.3	1975
28	81.9	27.7	86.6	30.3	89	31.7	1977	77.2	25.1	72	22.2	1975
29	82.3	27.9	86.5	30.3	88	31.1	1978*	78.1	25.6	73	22.8	1975
30	81.9	27.7	85.9	29.9	88	31.1	1977	77.9	25.5	74	23.3	1975
31												
Monthly	82.0	27.8	86.4	30.2	91	32.8	1981*	77.5	25.3	70	21.1	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	82.3	27.9	86.4	30.2	88	31.1	1982*	78.2	25.7	73	22.8	1975
2	82.4	28.0	86.4	30.2	88	31.1	1982*	78.4	25.8	74	23.3	1975
3	82.1	27.8	85.9	29.9	88	31.1	1982*	78.4	25.8	76	24.4	1975*
4	82.5	28.1	86.7	30.4	89	31.7	1976	78.2	25.7	75	23.9	1974
5	80.9	27.2	85.4	29.7	88	31.1	1982*	76.5	24.7	72	22.2	1975
6	81.6	27.6	85.9	29.9	88	31.1	1982*	77.2	25.1	73	22.8	1974
7	81.7	27.6	86.1	30.1	88	31.1	1981	77.2	25.1	74	23.3	1974
8	82.7	28.2	86.6	30.3	89	31.7	1977	78.7	25.9	73	22.8	1974
9	82.6	28.1	86.4	30.2	88	31.1	1982*	78.7	25.9	76	24.4	1974
10	82.6	28.1	86.7	30.4	89	31.7	1977	78.5	25.8	74	23.3	1975
11	81.8	27.7	86.4	30.2	88	31.1	1982*	77.2	25.1	73	22.8	1975
12	82.6	28.1	86.9	30.5	88	31.1	1982*	78.2	25.7	74	23.3	1975
13	82.1	27.8	86.6	30.3	87	31.7	1977	77.6	25.3	74	23.3	1975*
14	81.7	27.6	86.2	30.1	88	31.1	1982*	77.2	25.1	72	22.2	1975*
15	82.6	28.1	86.9	30.5	88	31.1	1982*	78.2	25.7	73	22.8	1975
16	82.1	27.8	85.9	29.9	90	32.2	1976	78.4	25.8	73	22.8	1975
17	82.5	28.1	86.5	30.3	90	32.2	1976	78.5	25.8	75	23.9	1975*
18	82.2	27.9	85.9	29.9	89	31.7	1976	78.5	25.8	73	22.8	1975
19	81.7	27.6	85.5	29.7	90	32.2	1976	78.0	25.6	70	21.1	1974
20	81.7	27.6	85.9	29.9	89	31.7	1976	77.5	25.3	73	22.8	1974
21	82.6	28.1	86.6	30.3	90	32.2	1976	78.5	25.8	75	23.9	1974
22	82.8	28.2	86.9	30.5	91	32.8	1976	78.7	25.9	75	23.9	1974
23	82.3	27.9	86.1	30.1	89	31.7	1976	78.5	25.8	74	23.3	1975
24	81.5	27.5	85.1	29.5	88	31.1	1981	77.9	25.5	72	22.2	1975
25	81.6	27.6	85.5	29.7	86	31.1	1981	77.6	25.3	73	22.8	1975
26	81.5	27.5	85.2	29.6	89	31.7	1976	77.7	25.4	73	22.8	1975
27	81.6	27.6	86.5	30.3	88	31.1	1981*	76.7	24.8	72	22.2	1975
28	82.1	27.8	86.0	30.0	89	31.7	1976	78.2	25.7	74	23.3	1974
29	82.1	27.8	85.6	29.8	88	31.1	1976	78.5	25.8	76	24.4	1976*
30	82.1	27.8	86.4	30.2	88	31.1	1981*	77.7	25.4	74	23.3	1974
31	82.0	27.8	85.9	29.9	89	31.1	1981	78.1	25.6	74	23.3	1974
Monthly	82.1	27.8	86.2	30.1	91	32.8	1976	78.0	25.6	70	21.1	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	81.7	27.6	86.0	30.0	90	32.2	1976	77.5	25.3	75	23.9	1981*
2	82.3	27.9	86.4	30.2	89	31.7	1976	78.2	25.7	76	24.4	1974
3	81.9	27.7	86.2	30.1	90	32.2	1981	77.6	25.3	72	22.2	1974
4	81.2	27.3	85.5	29.7	89	31.7	1976	76.9	24.9	72	22.2	1974
5	81.2	27.3	85.6	29.8	88	31.1	1981*	76.7	24.8	72	22.2	1974
6	81.2	27.3	85.1	29.5	87	30.6	1976	77.4	25.2	73	22.8	1974
7	81.1	27.3	85.2	29.6	87	30.6	1977	76.9	24.9	71	21.7	1975
8	81.0	27.2	85.4	29.7	88	31.1	1981*	76.6	24.8	72	22.2	1975*
9	81.1	27.3	85.2	29.6	88	31.1	1981*	77.0	25.0	74	23.3	1975
10	81.1	27.3	85.4	29.7	88	31.1	1981	76.7	24.8	74	23.3	1975
11	81.0	27.2	84.7	29.3	87	30.6	1977	77.2	25.1	75	23.9	1976*
12	81.2	27.3	85.2	29.6	86	30.0	1982*	77.2	25.1	74	23.3	1974
13	80.8	27.1	84.4	29.1	85	30.0	1976	77.2	25.1	75	23.9	1977*
14	81.2	27.3	85.1	29.5	86	30.0	1981*	77.4	25.2	73	22.8	1975
15	80.5	26.9	84.4	29.1	88	31.1	1981	76.6	24.8	71	21.7	1975
16	80.6	27.0	84.6	29.2	88	31.1	1981	76.6	24.8	72	22.2	1975
17	80.8	27.1	84.6	29.2	86	30.0	1982*	77.0	25.0	72	22.2	1975
18	80.4	26.9	84.7	29.3	88	31.1	1976	76.0	24.4	72	22.2	1975
19	80.9	27.2	84.7	29.3	88	31.1	1981	77.0	25.0	73	22.8	1976
20	80.7	27.1	84.6	29.2	88	31.1	1981	76.9	24.9	73	22.8	1975
21	80.5	26.9	84.2	29.0	86	30.0	1981*	76.7	24.8	72	22.2	1975
22	80.4	26.9	84.0	28.9	88	31.1	1981	76.9	24.9	69	20.6	1975
23	80.4	26.9	83.7	28.7	86	30.0	1981	77.1	25.1	73	22.8	1975
24	80.4	26.9	84.2	29.0	86	30.0	1981*	76.6	24.8	73	22.8	1975*
25	80.2	26.8	84.5	29.2	86	30.0	1982*	76.0	24.4	73	22.8	1978*
26	80.7	27.1	84.7	29.3	87	30.6	1976	76.7	24.8	73	22.8	1978
27	80.2	26.8	84.5	29.2	87	30.6	1976	76.0	24.4	75	23.9	1982*
28	80.6	27.0	84.5	29.2	88	31.1	1981	76.7	24.8	73	22.8	1979
29	81.2	27.3	84.9	29.4	89	31.1	1981	77.5	25.3	74	23.3	1974
30	80.6	27.0	84.2	29.0	87	30.6	1976	77.0	25.0	75	23.9	1978*
31												
Monthly	80.9	27.2	84.9	29.4	90	32.2	1981*	76.9	24.9	69	20.6	1975

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1974-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	80.6	27.0	84.6	29.2	88	31.1	1981		76.5	24.7	75	23.9	1982*	
2	80.3	26.8	84.4	29.1	87	30.6	1977		76.2	24.6	73	22.8	1975	
3	80.4	26.9	84.6	29.2	88	31.1	1981		76.1	24.5	72	22.2	1974	
4	80.9	27.2	84.4	29.1	86	30.0	1981		77.4	25.2	72	22.2	1975	
5	80.7	27.1	84.1	28.9	88	31.1	1981		77.2	25.1	72	22.2	1975	
6	80.4	26.9	84.0	28.9	88	31.1	1981		76.7	24.8	74	23.3	1975*	
7	80.5	26.9	84.4	29.1	88	31.1	1981		76.6	24.8	74	23.3	1974	
8	80.4	26.9	83.9	28.8	88	31.1	1981		76.9	24.9	73	22.8	1975	
9	79.8	26.6	83.5	28.6	86	30.0	1981		76.1	24.5	70	21.1	1975	
10	80.6	27.0	84.4	29.1	88	31.1	1981		76.7	24.8	75	23.9	1977*	
11	80.6	27.0	84.4	29.1	88	31.1	1981		76.9	24.9	72	22.2	1975	
12	80.2	26.8	84.1	28.9	88	31.1	1981		76.4	24.7	70	21.1	1975	
13	79.9	26.6	83.7	28.7	88	31.1	1981		76.0	24.4	74	23.3	1977*	
14	80.1	26.7	83.6	28.7	86	30.0	1981		76.5	24.7	73	22.8	1975	
15	79.0	26.1	83.2	28.4	86	30.0	1981*		74.7	23.7	70	21.1	1975	
16	79.0	26.1	82.7	28.2	86	30.0	1981*		75.2	24.0	72	22.2	1974	
17	79.6	26.4	83.5	28.6	86	30.0	1981		75.6	24.2	72	22.2	1974	
18	79.4	26.3	83.2	28.4	85	29.4	1976*		75.6	24.2	72	22.2	1974	
19	78.7	25.9	82.9	28.3	88	31.1	1981		74.6	23.7	70	21.1	1975	
20	79.5	26.4	82.6	28.1	86	30.0	1981		76.4	24.7	73	22.8	1977*	
21	79.1	26.2	83.0	28.3	86	30.0	1974		75.2	24.0	73	22.8	1977*	
22	78.6	25.9	82.2	27.9	86	30.0	1974		74.9	23.8	70	21.1	1975	
23	79.2	26.2	82.6	28.1	86	30.0	1974		75.9	24.4	73	22.8	1981	
24	78.8	26.0	83.0	28.3	88	31.1	1981		74.6	23.7	71	21.7	1978	
25	79.0	26.1	83.0	28.3	86	30.0	1974		75.0	23.9	72	22.2	1975	
26	79.7	26.5	83.9	28.8	86	30.0	1976		75.6	24.2	69	20.6	1975	
27	79.1	26.2	82.5	28.1	85	29.4	1974		75.7	24.3	73	22.8	1976	
28	79.8	26.6	84.4	29.1	88	31.1	1981		75.2	24.0	73	22.8	1981*	
29	79.2	26.2	83.6	28.7	84	28.9	1982*		74.9	23.8	72	22.2	1977	
30	79.6	26.4	83.4	28.6	85	29.4	1976		75.9	24.4	71	21.7	1974	
31	78.6	25.9	82.6	28.1	84	28.9	1974		74.5	23.6	72	22.2	1974	
Monthly	79.7	26.5	83.6	28.7	88	31.1	1981		75.9	24.4	69	20.6	1975	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1973-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	79.2	26.2	83.2	28.4	85	29.4	1976*	75.1	23.9	73	22.8	1975
2	79.3	26.3	83.1	28.4	86	30.0	1977	75.5	24.2	73	22.8	1975
3	79.2	26.2	82.6	28.1	85	29.4	1977	75.9	24.4	74	23.3	1976*
4	78.2	25.7	81.1	27.3	83	28.3	1977	75.4	24.1	73	22.8	1975
5	78.9	26.1	82.1	27.8	84	28.9	1973	75.6	24.2	75	23.9	1981*
6	79.1	26.2	82.6	28.1	84	28.9	1976*	75.6	24.2	75	23.9	1981*
7	79.2	26.2	83.4	28.6	87	30.6	1977	75.0	23.9	73	22.8	1981
8	78.9	26.1	82.5	28.1	86	30.0	1981	75.4	24.1	72	22.2	1976
9	78.2	25.7	82.0	27.8	84	28.9	1981*	74.4	23.6	71	21.7	1975
10	78.6	25.9	82.5	28.1	83	28.3	1982*	74.7	23.7	72	22.2	1975
11	79.4	26.3	82.9	28.3	85	29.4	1978	76.0	24.4	74	23.3	1975*
12	78.7	25.9	82.5	28.1	84	28.9	1976	75.0	23.9	72	22.2	1974
13	78.5	25.8	82.2	27.9	84	28.9	1975	74.7	23.7	72	22.2	1974
14	79.1	26.2	83.0	28.3	84	28.9	1981*	75.1	23.9	72	22.2	1974
15	79.4	26.3	83.5	28.6	86	30.0	1976*	75.4	24.1	73	22.8	1975*
16	79.2	26.2	83.1	28.4	86	30.0	1976	75.2	24.0	72	22.2	1974
17	79.1	26.2	82.9	28.3	86	30.0	1982	75.2	24.0	72	22.2	1977*
18	79.2	26.2	82.9	28.3	87	30.6	1975	75.6	24.2	71	21.7	1974
19	78.4	25.8	82.1	27.8	86	30.0	1975	74.7	23.7	70	21.1	1974
20	79.0	26.1	83.4	28.6	85	29.4	1975	74.6	23.7	70	21.1	1974
21	79.5	26.4	83.6	28.7	85	29.4	1976	75.4	24.1	73	22.8	1974
22	79.6	26.4	83.5	28.6	87	30.6	1975	75.6	24.2	74	23.3	1974*
23	80.1	26.7	83.7	28.7	87	30.6	1975	76.4	24.7	74	23.3	1974
24	79.1	26.2	83.5	28.6	87	30.6	1975	74.6	23.7	72	22.2	1974
25	79.5	26.4	83.7	28.7	86	30.0	1975	75.2	24.0	72	22.2	1974
26	79.3	26.3	83.4	28.6	85	29.4	1976	75.2	24.0	73	22.8	1981*
27	79.3	26.3	83.4	28.6	85	29.4	1975*	75.2	24.0	74	23.3	1977*
28	80.4	26.9	84.4	29.1	86	30.0	1976*	76.5	24.7	74	23.3	1975
29	79.5	26.4	83.6	28.7	86	30.0	1977	75.4	24.1	72	22.2	1981*
30	79.9	26.6	84.4	29.1	87	30.6	1973	75.5	24.2	72	22.2	1974
31	79.6	26.4	83.5	28.6	86	30.0	1975	75.6	24.2	74	23.3	1974
Monthly	79.2	26.2	83.0	28.3	87	30.6	1977*	75.3	24.1	70	21.1	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1973-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	79.2	26.2	83.2	28.4	86	30.0	1976*	75.2	24.0	72	22.2	1974		
2	80.3	26.8	84.0	28.9	88	31.1	1973	76.6	24.8	75	23.9	1982*		
3	79.6	26.4	83.6	28.7	87	30.6	1975	75.6	24.2	73	22.8	1982		
4	79.2	26.2	82.9	28.3	88	31.1	1976	75.5	24.2	73	22.8	1978		
5	79.1	26.2	83.2	28.4	88	31.1	1975	75.0	23.9	73	22.8	1976		
6	80.0	26.7	84.0	28.9	88	31.1	1975	76.0	24.4	73	22.8	1981		
7	80.5	26.9	84.0	28.9	86	30.0	1981*	77.0	25.0	75	23.9	1982*		
8	80.1	26.7	83.5	28.6	87	30.6	1975	76.7	24.8	75	23.9	1981*		
9	80.1	26.7	85.1	29.5	88	31.1	1975	75.1	23.9	73	22.8	1979*		
10	79.9	26.6	83.6	28.7	87	30.6	1975	76.1	24.5	73	22.8	1982*		
11	80.5	26.9	84.1	28.9	87	30.6	1975	76.9	24.9	74	23.3	1979		
12	79.6	26.4	83.4	28.6	88	31.1	1975	75.7	24.3	72	22.2	1976		
13	79.3	26.3	83.1	28.4	86	30.0	1981	75.5	24.2	73	22.8	1979		
14	80.6	27.0	85.0	29.4	88	31.1	1975*	76.2	24.6	74	23.3	1974		
15	80.1	26.7	83.7	28.7	87	30.6	1975	76.5	24.7	75	23.9	1978*		
16	79.9	26.6	84.0	28.9	89	31.7	1976	75.9	24.4	73	22.8	1973		
17	79.7	26.5	83.6	28.7	89	31.7	1975	75.7	24.3	74	23.3	1973		
18	78.9	26.1	82.6	28.1	86	30.0	1976	75.2	24.0	73	22.8	1976		
19	79.9	26.6	83.7	28.7	86	30.0	1976*	76.0	24.4	74	23.3	1975		
20	79.4	26.3	83.2	28.4	87	30.6	1976	75.6	24.2	73	22.8	1981		
21	80.1	26.7	84.4	29.1	87	30.6	1976	75.9	24.4	75	23.9	1981*		
22	79.2	26.2	83.4	28.6	86	30.0	1974	75.1	23.9	72	22.2	1979*		
23	79.6	26.4	84.0	28.9	86	30.0	1981*	75.2	24.0	72	22.2	1979		
24	79.6	26.4	83.6	28.7	87	30.6	1979	75.5	24.2	74	23.3	1976*		
25	79.4	26.3	83.7	28.7	86	30.0	1979*	75.1	23.9	73	22.8	1981*		
26	79.6	26.4	83.6	28.7	86	30.0	1976	75.6	24.2	72	22.2	1975		
27	79.3	26.3	84.0	28.9	88	31.1	1974	74.6	23.7	72	22.2	1975		
28	80.7	27.1	85.1	29.5	87	30.6	1976	76.2	24.6	75	23.9	1981*		
29	79.4	26.3	84.0	28.9	87	30.6	1974	74.7	23.7	72	22.2	1976*		
30	79.4	26.3	83.5	28.6	88	31.1	1974	75.2	24.0	72	22.2	1976		
31														
Monthly	79.7	26.5	83.8	28.8	89	31.7	1976*	75.7	24.3	72	22.2	1979*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

8
2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1973-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	80.0	26.7	84.4	29.1	87	30.6	1979		75.6	24.2	72	22.2	1976	
2	79.3	26.3	83.8	28.8	87	30.6	1974		74.9	23.8	72	22.2	1977	
3	79.9	26.6	84.4	29.1	88	31.1	1981		75.4	24.1	72	22.2	1975	
4	80.0	26.7	84.6	29.2	86	30.0	1981*		75.4	24.1	69	20.6	1975	
5	79.7	26.5	83.7	28.7	86	30.0	1974		75.7	24.3	73	22.8	1982	
6	79.7	26.5	83.9	28.8	88	31.1	1981		75.4	24.1	73	22.8	1975	
7	79.4	26.3	84.0	28.9	90	32.2	1981		74.8	23.8	66	18.9	1975	
8	80.1	26.7	84.9	29.4	89	31.7	1976		75.2	24.0	73	22.8	1975	
9	79.4	26.3	84.3	29.1	87	30.6	1979*		74.6	23.7	72	22.2	1977*	
10	80.2	26.8	84.4	29.1	87	30.6	1979*		76.0	24.4	72	22.2	1975	
11	80.2	26.8	85.0	29.4	88	31.1	1979		75.3	24.1	72	22.2	1975	
12	79.8	26.6	83.8	28.8	87	30.6	1979		75.8	24.3	71	21.7	1975	
13	79.8	26.6	83.4	28.6	86	30.0	1979*		76.2	24.6	73	22.8	1975	
14	80.2	26.8	84.2	29.0	86	30.0	1982*		76.1	24.5	73	22.8	1975	
15	80.7	27.1	84.9	29.4	88	31.1	1981*		76.6	24.8	70	21.1	1975	
16	80.6	27.0	84.7	29.3	88	31.1	1974		76.6	24.8	75	23.9	1981	
17	80.6	27.0	85.0	29.4	89	31.7	1974		76.1	24.5	73	22.8	1981*	
18	80.3	26.8	84.7	29.3	87	30.6	1974		75.9	24.4	73	22.8	1977	
19	80.4	26.9	84.3	29.1	89	31.7	1974		76.6	24.8	75	23.9	1982*	
20	80.8	27.1	84.6	29.2	88	31.1	1974		77.1	25.1	75	23.9	1981	
21	80.6	27.0	85.0	29.4	90	32.2	1976		76.2	24.6	73	22.8	1981	
22	80.9	27.2	85.3	29.6	88	31.1	1974		76.6	24.8	73	22.8	1982*	
23	80.7	27.1	85.0	29.4	89	31.7	1974		76.3	24.6	74	23.3	1977	
24	80.7	27.1	84.6	29.2	90	32.2	1974		76.8	24.9	73	22.8	1977	
25	80.1	26.7	84.3	29.1	90	32.2	1974		75.8	24.3	72	22.2	1976	
26	80.7	27.1	85.0	29.4	90	32.2	1974		76.3	24.6	73	22.8	1981*	
27	80.7	27.1	84.6	29.2	89	31.7	1974		76.9	24.9	72	22.2	1976	
28	80.4	26.9	84.8	29.3	88	31.1	1974		76.0	24.4	73	22.8	1982	
29	80.0	26.7	84.7	29.3	87	30.6	1977*		75.3	24.1	73	22.8	1982	
30	80.6	27.0	85.0	29.4	88	31.1	1974		76.1	24.5	72	22.2	1975	
31	80.3	26.8	84.4	29.1	87	30.6	1976*		76.2	24.6	73	22.8	1981	
Monthly	80.2	26.8	84.5	29.2	90	32.2	1981*		75.9	24.4	66	18.9	1975	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1973-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	80.6	27.0	84.7	29.3	87	30.6	1976	76.6	24.8	74	23.3	1974
2	79.6	26.4	83.8	28.8	86	30.0	1982*	75.3	24.1	71	21.7	1977
3	80.4	26.9	84.4	29.1	88	31.1	1981	76.3	24.6	73	22.8	1974
4	80.0	26.7	84.9	29.4	88	31.1	1981	75.1	23.9	73	22.8	1982*
5	79.7	26.5	84.3	29.1	87	30.6	1976	75.1	23.9	73	22.8	1981
6	80.1	26.7	84.6	29.2	87	30.6	1976	75.6	24.2	73	22.8	1977*
7	80.1	26.7	84.2	29.0	88	31.1	1976	76.0	24.4	72	22.2	1977
8	80.6	27.0	85.2	29.6	88	31.1	1982	76.0	24.4	73	22.8	1982
9	80.3	26.8	84.2	29.0	88	31.1	1976	76.3	24.6	74	23.3	1974
10	80.0	26.7	84.1	28.9	88	31.1	1981	75.9	24.4	72	22.2	1977
11	79.7	26.5	83.4	28.6	86	30.0	1982*	75.9	24.4	73	22.8	1977
12	80.2	26.8	85.1	29.5	88	31.1	1982	75.3	24.1	73	22.8	1982*
13	80.8	27.1	84.4	29.1	86	30.0	1982*	77.2	25.1	75	23.9	1982*
14	80.7	27.1	84.9	29.4	88	31.1	1981	76.6	24.8	75	23.9	1982*
15	79.7	26.5	84.3	29.1	88	31.1	1982	75.1	23.9	73	22.8	1982*
16	80.6	27.0	85.0	29.4	88	31.1	1981	76.1	24.5	74	23.3	1977
17	80.7	27.1	85.6	29.8	88	31.1	1981	75.8	24.3	73	22.8	1976
18	81.3	27.4	85.6	29.8	88	31.1	1982	77.1	25.1	75	23.9	1981*
19	80.3	26.8	84.7	29.3	88	31.1	1976	76.0	24.4	74	23.3	1977
20	81.6	27.6	85.8	29.9	88	31.1	1976	77.4	25.2	75	23.9	1974
21	81.3	27.4	85.8	29.9	88	31.1	1981	76.9	24.9	75	23.9	1982*
22	81.6	27.6	85.7	29.8	88	31.1	1981*	77.6	25.3	75	23.9	1974
23	80.8	27.1	84.8	29.3	89	31.1	1982	76.9	24.9	75	23.9	1975*
24	80.2	26.8	84.1	28.9	88	31.1	1982	76.2	24.6	74	23.3	1979*
25	80.9	27.2	84.9	29.4	88	31.1	1982	76.9	24.9	75	23.9	1981*
26	80.4	26.9	85.1	29.5	88	31.1	1976	75.8	24.3	72	22.2	1977
27	79.9	26.6	84.6	29.2	89	31.1	1982	75.3	24.1	73	22.8	1982*
28	80.3	26.8	84.3	29.1	86	30.0	1982	76.3	24.6	73	22.8	1977
29	80.6	27.0	84.7	29.3	88	31.1	1981	76.6	24.8	74	23.3	1977
30	80.7	27.1	85.1	29.5	89	31.7	1977	76.2	24.6	74	23.3	1976
31												
Monthly	80.5	26.9	84.7	29.3	89	31.7	1977	76.2	24.6	71	21.7	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

DIEGO GARCIA ISLAND

1973-1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	80.9	27.2	85.8	29.9	89	31.7	1977	76.1	24.5	74	23.3	1977
2	80.1	26.7	84.0	28.9	86	30.0	1981*	76.2	24.6	74	23.3	1974
3	80.7	27.1	84.9	29.4	88	31.1	1982*	76.6	24.8	73	22.8	1974
4	80.0	26.7	84.3	29.1	86	30.0	1982*	75.7	24.3	73	22.8	1974
5	80.6	27.0	85.0	29.4	89	31.7	1977	76.1	24.5	73	22.8	1974
6	80.2	26.8	84.8	29.3	88	31.1	1982*	75.6	24.2	70	21.1	1974
7	80.6	27.0	84.6	29.2	88	31.1	1982	76.6	24.8	74	23.3	1975*
8	80.9	27.2	85.1	29.5	90	32.2	1982	76.7	24.8	72	22.2	1974
9	78.9	26.1	83.2	28.4	88	31.1	1982	74.7	23.7	70	21.1	1974
10	80.6	27.0	85.2	29.6	90	32.2	1982	76.0	24.4	73	22.8	1974
11	80.4	26.9	85.1	29.5	89	31.7	1976	75.7	24.3	73	22.8	1974
12	80.9	27.2	84.6	29.2	90	32.2	1982	77.2	25.1	74	23.3	1974
13	80.0	26.7	84.2	29.0	87	30.6	1977	75.8	24.3	73	22.8	1981
14	81.3	27.4	85.4	29.7	89	31.7	1976	77.1	25.1	74	23.3	1974
15	80.7	27.1	84.7	29.3	89	31.7	1977	76.7	24.8	74	23.3	1974*
16	81.4	27.4	85.8	29.9	89	31.7	1976	77.1	25.1	71	21.7	1974
17	80.9	27.2	85.2	29.6	88	31.1	1977*	76.6	24.8	74	23.3	1974
18	81.3	27.4	85.6	29.8	89	31.7	1977	77.1	25.1	75	23.9	1981
19	81.4	27.4	85.9	29.9	90	32.2	1982	77.0	25.0	73	22.8	1974
20	81.6	27.6	86.0	30.0	91	32.8	1982	77.2	25.1	74	23.3	1974
21	80.4	26.9	84.7	29.3	88	31.1	1982	76.1	24.5	74	23.3	1978
22	79.7	26.5	84.7	29.3	88	31.1	1982	74.7	23.7	65	18.3	1974
23	79.9	26.6	84.7	29.3	88	31.1	1982*	75.2	24.0	67	19.4	1974
24	80.8	27.1	85.3	29.6	88	31.1	1982	76.3	24.6	74	23.3	1979*
25	80.4	26.9	84.0	28.9	86	30.0	1981*	76.8	24.9	74	23.3	1979*
26	80.9	27.2	84.9	29.4	88	31.1	1982*	76.9	24.9	73	22.8	1979
27	80.4	26.9	84.3	29.1	85	29.4	1978*	76.4	24.7	74	23.3	1978
28	80.2	26.8	84.8	29.3	88	31.1	1982*	75.7	24.3	73	22.8	1982*
29	80.1	26.7	84.7	29.3	88	31.1	1976	75.4	24.1	72	22.2	1974
30	79.2	26.2	83.9	28.8	88	31.1	1976	74.6	23.7	72	22.2	1975
31	80.4	26.9	85.1	29.5	88	31.1	1977*	75.7	24.3	72	22.2	1975
Monthly	80.5	26.9	84.8	29.3	91	32.8	1982	76.2	24.6	65	18.3	1974

*ALSO ON EARLIER YEARS

NOVOCEANMET-SMOS

EXTREME VALUES

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

73-87

YEARS

WHOLE DEGREES FAHRENHEIT

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SMOS

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EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

70701

DIEGO GARCIA ISLAND

73-82

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

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SMOS

10/2/80 2097.54371

YEARS

PAGE 2
HOURS (L S T)

NAVWEASERVCOM

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74-70

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PAGE 1

HOURS 11 5 T

NAVWEASERVCOM

NAVWEASERVCOM

STATION	STATION NAME		YEARS		MONTH																														
<div style="text-align: right;"> 1955 HOURS 12 5 17 </div>																																			
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
9							1											1	1																
13							2											2	9																
17			1	1	1	1	1											6	23																
21			1	1	1	1	1											6	23																
25		1	1	1	1	1	1											6	23																
29		1	1	1	1	1	1											6	23																
33		1	1	1	1	1	1											6	23																
37		1	1	1	1	1	1											6	23																
41		1	1	1	1	1	1											6	23																
45		1	1	1	1	1	1											6	23																
49		1	1	1	1	1	1											6	23																
53		1	1	1	1	1	1											6	23																
57		1	1	1	1	1	1											6	23																
61		1	1	1	1	1	1											6	23																
65		1	1	1	1	1	1											6	23																
69		1	1	1	1	1	1											6	23																
73		1	1	1	1	1	1											6	23																
77		1	1	1	1	1	1											6	23																
81		1	1	1	1	1	1											6	23																
85		1	1	1	1	1	1											6	23																
89		1	1	1	1	1	1											6	23																
93		1	1	1	1	1	1											6	23																
97		1	1	1	1	1	1											6	23																
101		1	1	1	1	1	1											6	23																
105		1	1	1	1	1	1											6	23																
109		1	1	1	1	1	1											6	23																
113		1	1	1	1	1	1											6	23																
117		1	1</																																

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NAVWEASERVCOM

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
8					.1													1	1																
9					.1	.1												2	4																
10				.1	.7	1.2	1.7	.2										5	5																
11			.1	1.2	3.2	7.4	1.7											10	10																
12		.1	.7	4.7	7.4	8.4	.6											20	20																
13	.1	.7	.7	7.4	8.4	8.4												30	30																
14	.1	1.2	1.4	8.7	.7													50	55	214	7														
15	.1	.7	.7	1.4														101	101	400	20														
16	.7	.7	.7	1.4	.7													70	76	417	40														
17	.7	.7	.7															10	16	211	30														
18	.1	.1																2	20	107	71														
19	6																																		
20	1.7	1.3	4.7	25.1	14.1	4.5	.2											144	144	144	144														
																						144	144	144	144										

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74-75.

YEARS

MONTH

ACE :

HOURS: 1 5 T 1

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS: 1 5 7

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NAVWEASERVCOM

010 2007 54121

74-75

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428

HOURS 1657

NAVWEASERVCOM

1672 2097 54921

HOURS: 1 5 7

NAVWEASERVCOM

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MONTH

HOURS: 1 5 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
8																		1	1														
9																		6	6														
10																		66	66														
11																		156	156														
12																		250	250	4													
13																		381	381	33	7												
14																		534	534	249	67												
15																		720	720	610	332												
16																		931	931	579	565												
17																		1174	1174	424													
18																		1447	1447	30	713												
19																		1750	1750	1	50												
20																		2082	2082		14												
21																		2444	2444		2												
22																		2826	2826														
23																		3228	3228														
24																		3650	3650														
25																		4082	4082														
26																		4534	4534														
27																		5006	5006														
28																		5498	5498														
29																		6010	6010														
30																		6542	6542														
31																		7094	7094														
32																		7666	7666														
33																		8258	8258														
34																		8870	8870														
35																		9502	9502														
36																		10154	10154														
37																		10816	10816														
38																		11498	11498														
39																		12200	12200														
40																		12922	12922														
41																		13664	13664														
42																		14426	14426														
43																		15208	15208														
44																		16010	16010														
45																		16832	16832														
46																		17674	17674														
47																		18536	18536														
48																		19418	19418														
49																		20320	20320														
50																		21242	21242														
51																		22184	22184														
52																		23146	23146														
53																		24128	24128														
54																		25130	25130														
55																		26152	26152														
56																		27194	27194														
57																		28256	28256														
58																		29338	29338														
59																		30440	30440														
60																		31562	31562														
61																		32704	32704														
62																		33866	33866														
63																		35048	35048														
64																		36250	36250														
65																		37472	37472														
66																		38714	38714														
67																		39976	39976														
68																		41258	41258														
69																		42560	42560														
70																		43882	43882														
71																		45224	45224														
72																		46586	46586														
73																		47968	47968														
74																		49370	49370														
75																		50792	50792														
76																		52234	52234														
77																		53696	53696														
78																		55178	55178														
79																		56680	56680														
80																		58202	58202														
81																		59744	59744														
82																		61306	61306														
83																		62888	62888														
84																		64490	64490														
85																		66112	66112														
86																		67754	67754														
87																		69416	69416														
88																		71098	71098														
89																		72800	72800														
90																		74522	74522														
91																		76264	76264														
92																		78026	78026														
93																		79808	79808														
94																		81610	81610														
95																		83432	83432														
96																		85274	85274														
97																		87136	87136														
98																		89018	89018														
99																		90920	90920														
100																		92842	92842														
101																		94784	94784														
102																		96746	96746														
103																		98728	98728														
104																		100730	100730														
105																		102752	102752														
106																		104794	104794														
107																		106856	106856														
108																		108938	108938														
109																		111040	111040														
110																		113162	113162														
111																		115304	115304														
112																		117466	117466														
113																		119648	119648														
114																		121850	121850														
115																		124072	124072														
116																		126314	126314														
117																		128576	128576														
118																		130858	130858														
119																		133160	133160														
120																		135482	135482														
121																																	

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MONTH

PAGE 1

HOURS : L S Y :

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YEAR:

MONTH

PAGE 2

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YEARS

MONITOR

MOULDS 457

NAVWEASERVCOM

14716 2097 54321

YEARS

HOURS (LST)

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70701 DIEGO GARCIA ISLAND

73-79

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		
	MEAN S. D. TOTAL OBS	JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
02	78.4 1.675 186	79.0 2.157 168
05	78.2 1.787 186	78.6 2.208 168
08	80.7 2.421 185	81.1 2.738 169
11	82.4 3.112 186	84.1 2.509 169
14	82.9 2.935 186	84.3 2.593 169
17	81.3 2.492 185	83.0 2.685 169
20	79.0 1.559 186	80.0 2.288 168
23	78.8 1.577 186	79.6 2.207 167
ALL HOURS	80.2 2.855 1488	81.2 3.243 1397

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70701 DIEGO GARCIA ISLAND

73-79

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
22	MEAN	75.3	75.2	75.3	75.6	74.7	74.1	73.9	72.6	73.7	74.4	74.8	75.0	74.5	
	S. D.	1.670	1.351	1.476	1.992	1.877	1.966	1.799	2.323	1.718	1.850	1.665	1.647	1.961	
	TOTAL OBS	186	168	186	180	186	180	186	186	210	217	210	217	2312	
05	MEAN	75.1	75.0	75.1	75.4	74.4	73.9	73.7	72.5	73.6	74.3	74.6	74.9	74.4	
	S. D.	1.601	1.382	1.471	2.030	1.883	1.948	1.774	2.383	1.612	1.900	1.631	1.715	1.952	
	TOTAL OBS	186	168	186	180	186	180	186	186	210	217	210	217	2312	
04	MEAN	76.6	76.6	76.8	77.1	76.1	75.3	74.7	73.7	75.0	75.9	76.5	76.7	75.9	
	S. D.	1.636	1.601	1.532	1.672	1.723	1.876	2.118	2.151	1.774	1.688	1.715	1.820	2.028	
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312	
11	MEAN	77.5	78.1	78.2	78.3	77.4	76.8	76.2	75.3	76.1	77.1	77.5	77.7	77.2	
	S. D.	1.953	1.526	1.834	1.877	1.590	1.771	1.972	2.038	1.876	1.829	1.830	1.951	2.033	
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312	
14	MEAN	77.5	78.1	78.2	78.3	77.4	76.6	76.0	75.4	76.0	76.8	77.5	77.4	77.1	
	S. D.	1.793	1.552	1.824	1.997	1.821	1.718	2.162	2.031	1.924	1.897	1.703	2.177	2.093	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
17	MEAN	76.6	77.2	77.3	77.1	76.3	75.4	74.8	73.9	75.0	75.6	76.4	76.6	76.0	
	S. D.	1.748	1.562	1.572	2.048	2.011	1.970	2.079	1.970	1.773	1.912	1.771	1.889	2.124	
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312	
20	MEAN	75.4	75.6	75.6	75.8	75.1	74.5	74.0	72.8	74.1	74.6	75.2	75.3	74.8	
	S. D.	1.688	1.459	1.647	2.030	1.902	1.950	2.036	2.333	1.624	1.853	1.804	1.637	2.018	
	TOTAL OBS	186	168	186	180	186	179	186	186	210	217	210	217	2311	
23	MEAN	75.5	75.5	75.5	75.7	74.9	74.2	74.0	72.7	74.0	74.6	75.2	75.2	74.7	
	S. D.	1.570	1.401	1.598	2.039	1.852	1.878	1.911	2.320	1.682	1.802	1.736	1.653	1.977	
	TOTAL OBS	186	167	186	180	186	180	186	186	210	217	210	217	2311	
ALL HOURS	MEAN	76.2	76.4	76.5	76.7	75.8	75.1	74.7	73.6	74.7	75.4	75.9	76.1	75.6	
	S. D.	1.945	1.897	2.024	2.257	2.138	2.155	2.176	2.460	1.978	2.118	2.047	2.108	2.282	
	TOTAL OBS	1885	1347	1888	1880	1888	1839	1888	1888	1680	1736	1680	1736	18495	

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70701 DIEGO GARCIA ISLAND

73-79

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	73.9	73.6	73.8	74.0	72.8	72.4	72.3	70.8	72.2	73.0	73.5	73.6	73.0
	S. D.	2.245	1.900	1.682	2.424	2.322	2.338	2.394	3.158	2.324	2.384	2.195	2.151	2.478
	TOTAL OBS	186	168	186	180	186	180	186	186	210	217	210	217	2312
05	MEAN	73.8	73.5	73.5	73.9	72.6	72.3	72.2	70.7	72.1	72.8	73.2	73.6	72.9
	S. D.	2.196	1.924	1.690	2.477	2.357	2.335	2.359	3.207	2.170	2.411	2.157	2.213	2.480
	TOTAL OBS	186	168	186	180	186	180	186	186	210	217	210	217	2312
09	MEAN	75.0	74.8	74.8	75.2	73.8	73.3	72.9	71.6	73.1	74.0	74.7	75.0	74.0
	S. D.	2.117	1.865	1.788	2.146	2.230	2.304	2.742	2.980	2.323	2.357	2.242	2.211	2.524
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312
11	MEAN	75.6	75.8	75.8	75.9	74.6	74.1	74.0	72.8	73.6	74.7	75.3	75.6	74.8
	S. D.	2.266	1.933	2.137	2.496	2.135	2.350	2.603	2.785	2.440	2.435	2.317	2.431	2.558
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312
14	MEAN	75.5	75.7	75.8	75.9	74.5	74.0	73.7	72.8	73.5	74.5	75.3	75.3	74.7
	S. D.	2.184	1.915	2.093	2.485	2.318	2.284	2.803	2.855	2.538	2.541	2.205	2.522	2.597
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313
17	MEAN	74.8	74.9	74.9	74.9	73.8	73.0	72.8	71.7	73.0	73.6	74.5	74.7	73.9
	S. D.	2.214	1.946	1.906	2.517	2.397	2.459	2.730	2.752	2.406	2.535	2.256	2.309	2.584
	TOTAL OBS	185	169	186	180	186	180	186	186	210	217	210	217	2312
20	MEAN	73.9	73.8	73.9	74.2	73.1	72.6	72.3	70.7	72.5	73.1	73.7	73.8	73.1
	S. D.	2.326	1.885	1.935	2.462	2.296	2.379	2.713	3.253	2.374	2.420	2.286	2.133	2.569
	TOTAL OBS	186	168	186	180	186	179	186	186	210	217	210	217	2311
23	MEAN	74.1	73.9	73.8	74.2	73.1	72.5	72.3	70.8	72.5	73.1	73.8	73.8	73.2
	S. D.	2.278	1.947	1.830	2.472	2.249	2.334	2.559	3.230	2.286	2.400	2.207	2.149	2.526
	TOTAL OBS	186	167	186	180	186	180	186	186	210	217	210	217	2311
ALL HOURS	MEAN	74.6	74.5	74.5	74.8	73.5	73.0	72.8	71.5	72.8	73.6	74.3	74.4	73.7
	S. D.	2.326	2.099	2.063	2.557	2.394	2.435	2.688	3.146	2.416	2.524	2.355	2.390	2.641
	TOTAL OBS	1485	1307	1488	1480	1488	1439	1488	1488	1680	1736	1680	1736	19995

NAVWEASERVCOM

RELATIVE HUMIDITY

70701 DIEGO GARCIA ISLAND

74-79

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	100.0	100.0	100.0	98.4	81.2	37.6	86.7	186
	01	100.0	100.0	100.0	100.0	100.0	100.0	98.4	75.8	38.7	87.0	186
	02	100.0	100.0	100.0	100.0	100.0	100.0	94.6	55.7	23.8	83.3	185
	03	100.0	100.0	100.0	100.0	100.0	100.0	80.0	43.8	16.2	80.5	185
	04	100.0	100.0	100.0	100.0	100.0	100.0	79.0	41.9	11.3	79.2	185
	05	100.0	100.0	100.0	100.0	100.0	100.0	88.1	50.3	14.6	80.9	185
	06	100.0	100.0	100.0	100.0	100.0	100.0	100.0	64.0	28.0	85.0	186
	07	100.0	100.0	100.0	100.0	100.0	100.0	98.4	70.4	34.9	85.9	186
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	TOTALS	100.0	100.0	100.0	100.0	100.0	100.0	92.1	60.4	25.6	83.6	1485

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RELATIVE HUMIDITY

7 701 DIEGO GARCIA ISLAND

74-79

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	100.0	100.0	100.0	95.8	63.1	26.8	84.2	166
	02	100.0	100.0	100.0	100.0	100.0	100.0	96.4	64.9	31.5	84.9	168
	03	100.0	100.0	100.0	100.0	100.0	100.0	89.3	52.7	18.9	81.9	169
	04	100.0	100.0	100.0	100.0	100.0	100.0	74.6	25.4	5.9	76.7	169
	05	100.0	100.0	100.0	100.0	100.0	100.0	69.2	24.3	4.7	75.9	169
	06	100.0	100.0	100.0	100.0	100.0	99.4	74.0	32.0	8.3	77.1	169
	07	100.0	100.0	100.0	100.0	100.0	100.0	93.5	53.0	17.3	82.1	168
	08	100.0	100.0	100.0	100.0	100.0	100.0	94.0	58.7	24.0	83.3	167
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	100.0	100.0	100.0	100.0	99.9	85.9	47.1	17.2	80.8	1347

NAVWEASERVCOM

74-79

W A R

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	10	100.0	100.0	100.0	100.0	100.0	100.0	96.8	72.0	17.2	84.3	186
	11	100.0	100.0	100.0	100.0	100.0	100.0	97.3	69.9	17.2	84.1	186
	12	100.0	100.0	100.0	100.0	100.0	100.0	90.9	41.9	12.4	79.9	186
	13	100.0	100.0	100.0	100.0	100.0	100.0	70.4	21.5	7.0	75.9	186
	14	100.0	100.0	100.0	100.0	100.0	100.0	62.4	21.0	5.4	74.9	186
	15	100.0	100.0	100.0	100.0	100.0	100.0	60.1	26.3	9.1	76.6	186
	16	100.0	100.0	100.0	100.0	100.0	100.0	97.3	54.8	10.2	62.0	186
	20	100.0	100.0	100.0	100.0	100.0	100.0	96.8	61.8	11.3	82.7	186
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	86.5	46.2	11.2	80.1	1488

NAVWEASERVCOM

2

RELATIVE HUMIDITY

71701 DIEGO GARCIA ISLAND

74-79

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00	100.0	100.0	100.0	100.0	100.0	100.0	99.9	73.3	18.3	84.4	180
	01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	72.2	23.3	85.1	180
	02	100.0	100.0	100.0	100.0	100.0	100.0	87.8	48.9	15.0	80.9	180
	11	100.0	100.0	100.0	100.0	100.0	99.4	73.3	25.6	9.4	76.5	180
	14	100.0	100.0	100.0	100.0	100.0	100.0	71.1	25.6	7.2	76.3	180
	17	100.0	100.0	100.0	100.0	100.0	100.0	78.9	31.1	10.6	78.2	180
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.3	58.3	15.6	82.9	180
	23	100.0	100.0	100.0	100.0	100.0	100.0	98.3	68.3	16.7	83.9	180
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	88.3	50.4	14.5	81.0	1440

NAVWEASERVCOM

RELATIVE HUMIDITY

7:701 DIEGO GARCIA ISLAND

74-79

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	100.0	100.0	94.6	52.2	11.3	81.5	186
	01	100.0	100.0	100.0	100.0	100.0	100.0	93.0	54.3	14.0	81.8	186
	02	100.0	100.0	100.0	100.0	100.0	100.0	79.6	26.9	5.4	77.0	186
	11	100.0	100.0	100.0	100.0	100.0	98.4	55.9	12.4	3.2	72.7	186
	14	100.0	100.0	100.0	100.0	100.0	97.8	54.8	9.7	2.7	72.7	186
	17	100.0	100.0	100.0	100.0	100.0	100.0	78.0	17.2	2.2	75.4	186
	20	100.0	100.0	100.0	100.0	100.0	100.0	93.0	44.6	6.5	80.2	186
	27	100.0	100.0	100.0	100.0	100.0	100.0	92.5	52.7	10.2	81.1	186
TOTALS		100.0	100.0	100.0	100.0	100.0	99.5	80.2	33.8	6.9	77.8	1488

NAVWEASERVCOM

JUN

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	100.0	100.0	98.9	66.7	15.6	83.4	180
	01	100.0	100.0	100.0	100.0	100.0	100.0	98.9	69.4	13.3	83.9	180
	02	100.0	100.0	100.0	100.0	100.0	100.0	92.8	39.4	8.9	79.8	180
	11	100.0	100.0	100.0	100.0	100.0	100.0	64.4	17.8	2.8	74.3	180
	14	100.0	100.0	100.0	100.0	100.0	98.9	68.3	16.1	5.0	74.3	180
	17	100.0	100.0	100.0	100.0	100.0	99.4	83.9	28.9	5.6	77.1	180
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.9	52.5	7.3	81.3	179
	23	100.0	100.0	100.0	100.0	100.0	100.0	97.8	62.8	9.4	82.5	180
TOTALS		100.0	100.0	100.0	100.0	100.0	99.8	88.0	44.2	8.5	79.6	1439

NAVWEASERVCOM

RELATIVE HUMIDITY

75701 DIEGO GARCIA ISLAND

74-79

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02	100.0	100.0	100.0	100.0	100.0	100.0	99.5	75.3	20.4	84.8	186
	05	100.0	100.0	100.0	100.0	100.0	100.0	97.8	78.0	23.1	85.5	186
	08	100.0	100.0	100.0	100.0	100.0	99.5	94.6	60.8	18.8	82.5	186
	11	100.0	100.0	100.0	100.0	100.0	100.0	81.2	34.4	8.1	78.1	186
	14	100.0	100.0	100.0	100.0	100.0	99.5	80.6	33.3	8.6	77.8	186
	17	100.0	100.0	100.0	100.0	100.0	100.0	91.4	48.9	15.6	81.0	186
	20	100.0	100.0	100.0	100.0	100.0	100.0	97.3	70.4	19.4	84.0	186
	23	100.0	100.0	100.0	100.0	100.0	100.0	98.4	69.9	22.0	84.3	186
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	92.6	58.9	17.0	82.3	1488

NAVWEASERVCOM

2

RELATIVE HUMIDITY

70701 DIEGO GARCIA ISLAND

73-78

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	02	100.0	100.0	100.0	100.0	100.0	98.9	95.7	65.6	15.1	83.2	186
	05	100.0	100.0	100.0	100.0	100.0	98.9	95.2	66.1	15.1	83.2	186
	09	100.0	100.0	100.0	100.0	100.0	98.4	88.7	49.5	11.8	80.1	186
	11	100.0	100.0	100.0	100.0	100.0	96.2	73.7	24.2	7.0	75.8	186
	14	100.0	100.0	100.0	100.0	100.0	95.7	79.0	25.3	6.5	75.9	186
	17	100.0	100.0	100.0	100.0	100.0	98.4	84.9	38.2	9.1	78.9	186
	20	100.0	100.0	100.0	100.0	100.0	97.8	92.5	55.4	12.4	81.3	186
	23	100.0	100.0	100.0	100.0	100.0	98.4	95.7	58.6	12.4	81.9	186
TOTALS		100.0	100.0	100.0	100.0	100.0	97.8	88.2	47.9	11.2	80.0	1488

NAVWEASERVCOM

73-79

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	100.0	100.0	99.5	73.3	23.8	85.2	210
	05	100.0	100.0	100.0	100.0	100.0	100.0	99.5	76.2	21.9	85.6	210
	10	100.0	100.0	100.0	100.0	100.0	100.0	91.9	50.0	16.2	81.6	210
	11	100.0	100.0	100.0	100.0	100.0	99.0	71.4	24.8	8.1	75.9	210
	14	100.0	100.0	100.0	100.0	100.0	98.1	69.5	22.9	8.1	75.7	210
	17	100.0	100.0	100.0	100.0	100.0	98.1	89.0	43.3	14.3	80.2	210
	20	100.0	100.0	100.0	100.0	100.0	100.0	97.1	70.0	20.5	84.3	210
	23	100.0	100.0	100.0	100.0	100.0	99.5	99.5	72.4	21.9	84.8	210
TOTALS		100.0	100.0	100.0	100.0	100.0	99.3	89.7	54.1	16.9	81.7	1680

NAVWEASERVCOM

RELATIVE HUMIDITY

71701 DIEGO GARCIA ISLAND

73-79

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	100.0	100.0	99.5	80.2	25.8	85.9	217
	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	77.4	27.2	86.0	217
	03	100.0	100.0	100.0	100.0	100.0	100.0	68.9	47.9	16.6	81.0	217
	11	100.0	100.0	100.0	100.0	100.0	98.6	66.8	35.0	10.1	76.8	217
	14	100.0	100.0	100.0	100.0	100.0	97.2	69.1	36.4	10.1	77.2	217
	17	100.0	100.0	100.0	100.0	100.0	99.5	84.3	46.5	13.4	80.4	217
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.2	66.4	24.9	84.3	217
	27	100.0	100.0	100.0	100.0	100.0	100.0	98.6	70.5	25.8	84.9	217
TOTALS		100.0	100.0	100.0	100.0	100.0	99.4	88.2	57.5	19.2	82.1	1736

RELATIVE HUMIDITY

7701 DIEGO GARCIA ISLAND

73-79

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	100.0	100.0	100.0	99.5	80.0	29.5	86.5	210
	02	100.0	100.0	100.0	100.0	100.0	100.0	99.5	80.0	32.4	86.8	210
	03	100.0	100.0	100.0	100.0	100.0	99.5	93.3	50.5	14.8	81.5	210
	11	100.0	100.0	100.0	100.0	100.0	99.5	86.7	31.0	8.6	78.4	210
	14	100.0	100.0	100.0	100.0	100.0	100.0	82.9	32.9	10.0	78.3	210
	17	100.0	100.0	100.0	100.0	100.0	100.0	93.3	49.0	12.9	81.2	210
	20	100.0	100.0	100.0	100.0	100.0	100.0	99.0	76.2	22.9	85.4	210
	27	100.0	100.0	100.0	100.0	100.0	100.0	99.5	81.0	24.3	85.7	210
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	94.2	60.1	19.4	83.0	1680

NAVWEASERVCOM

70701 DIEGO GARCIA ISLAND

73-79

DEC C

STATION

STATION NAME

PERIOD

MONTN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	30	100.0	100.0	100.0	100.0	100.0	100.0	96.8	82.5	32.7	86.5	217
	35	100.0	100.0	100.0	100.0	100.0	100.0	97.7	81.6	37.8	87.2	217
	40	100.0	100.0	100.0	100.0	100.0	100.0	92.6	60.4	23.5	82.9	217
	11	100.0	100.0	100.0	100.0	100.0	100.0	83.9	42.9	10.6	79.2	217
	14	100.0	100.0	100.0	100.0	100.0	100.0	79.3	41.0	10.1	78.6	217
	17	100.0	100.0	100.0	100.0	100.0	99.5	89.9	53.5	14.7	81.3	217
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.2	71.9	20.3	84.8	217
	23	100.0	100.0	100.0	100.0	100.0	100.0	96.8	75.6	30.0	85.6	217
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	91.9	63.7	22.5	83.3	1736

NAVWEASERVCOM

RELATIVE HUMIDITY

7701 DIEGO GARCIA ISLAND

73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	100.0	92.1	60.4	25.6	83.6	1485
FEB		100.0	100.0	100.0	100.0	100.0	99.9	85.9	47.1	17.2	80.8	1347
MAR		100.0	100.0	100.0	100.0	100.0	100.0	86.5	46.2	11.2	80.1	1498
APR		100.0	100.0	100.0	100.0	100.0	99.9	88.3	50.4	14.5	81.0	1440
MAY		100.0	100.0	100.0	100.0	100.0	99.5	80.2	33.8	6.9	77.8	1498
JUN		100.0	100.0	100.0	100.0	100.0	99.8	88.0	44.2	8.5	79.6	1439
JUL		100.0	100.0	100.0	100.0	100.0	99.9	92.6	58.9	17.0	82.3	1488
AUG		100.0	100.0	100.0	100.0	100.0	97.8	88.2	47.9	11.2	80.0	1488
SEP		100.0	100.0	100.0	100.0	100.0	99.3	89.7	54.1	16.9	81.7	1620
OCT		100.0	100.0	100.0	100.0	100.0	99.4	88.2	57.5	19.2	82.1	1736
NOV		100.0	100.0	100.0	100.0	100.0	99.9	94.2	60.1	19.4	83.0	1680
DEC		100.0	100.0	100.0	100.0	100.0	99.9	91.9	63.7	22.5	83.3	1736
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	88.8	52.0	15.8	81.3	18495

NAVWEASERVCOM

FIELD GARCIA ISLAND

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

DIEGO GARCIA ISLAND

AUGUST 1973-DECEMBER 1979

FEBRUARY

STATION

STATION NAME

YEAR

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122.1											
117.10-121											
112.10-116											
107.10-111											
102.10-106											
97.10-101											
92.10-96											
87.10-91	9.5	6.8	5.4	4.1	9.5	8.1	28.4	25.7	2.7	74	5.5
82.10-86	13.6	5.3	7.5	5.5	7.3	8.1	24.2	23.1	5.5	546	40.7
77.10-81	9.9	2.6	4.3	6.1	8.4	7.3	27.5	25.5	9.3	644	48.0
72.10-76	10.1		2.5	5.1	12.7	16.5	20.3	19.3	13.9	79	5.9
67.10-71											
62.10-66											
57.10-61											
52.10-56											
47.10-51											
42.10-46											
37.10-41											
32.10-36											
27.10-31											
22.10-26											
17.10-21											
12.10-16											
7.10-11											
2.10-6											
TOTALS	10.9	3.9	5.6	5.7	8.3	8.2	25.8	24.1	7.7	1343	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

7-7-71

PIEDRA GARCIA ISLAND

AUGUST 1973-DECEMBER 1979

MARCH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
120-121											
121-122											
122-123											
123-124											
124-125											
125-126											
126-127											
127-128											
128-129											
129-130											
130-131											
131-132											
132-133											
133-134											
134-135											
135-136											
136-137											
137-138											
138-139											
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189-190											
190-191											
191-192											
192-193											
193-194											
194-195											
195-196											
196-197											
197-198											
198-199											
199-200											
TOTALS	10.6	2.8	7.9	8.2	10.6	9.5	23.0	19.5	7.9	108.7	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

DIEGO GARCIA ISLAND

AUGUST 1973-DECEMBER 1979

MONTH

APRIL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	6.7	3.3	70.0	21.7	18.3	5.0	6.7	3.3	5.0	60	4.2
82 TO 86	6.3	.8	11.4	28.1	20.6	10.3	12.5	5.6	5.3	64.3	44.4
77 TO 81	4.0	1.7	7.7	24.1	29.4	7.1	9.3	4.6	12.2	64.6	44.9
72 TO 76	4.3	2.1	9.6	20.2	23.4	7.4	9.6	3.2	20.2	94	6.5
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 1											
13 TO 17											
18 TO 22											
23 TO 27											
28 TO 32											
33 TO 37											
38 TO 42											
43 TO 47											
48 TO 52											
53 TO 57											
58 TO 62											
63 TO 67											
68 TO 72											
73 TO 77											
78 TO 82											
TOTALS	4.7	1.4	10.4	25.6	24.7	8.5	10.5	4.9	9.4	144.0	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

7731
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEAR

MAY
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
125+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			16.4	58.2	14.5	9.1		1.8		55	3.7
82 TO 86	.3	1.4	11.1	48.5	32.1	5.4	.7		.6	722	48.5
77 TO 81	.2	2.8	10.7	49.7	31.0	2.1	.7	.3	3.3	580	39.0
72 TO 76			7.6	46.6	33.6	1.5			10.7	131	8.8
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-21 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-49 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	.2	1.7	10.8	48.9	31.2	3.9	.6	.2	2.5	1488	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

7701
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEAR

JUNE
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		10.0	30.0	45.0	15.0					20	1.4
82 TO 86		.4	11.6	67.8	16.1	2.1	1.3	.7		447	31.0
77 TO 81	.1	.3	7.0	66.4	21.9	1.1	2.2	.1	.9	789	54.8
72 TO 76	.6	1.1	4.4	44.6	39.2	1.7	.6	.6	7.2	181	12.6
67 TO 71				33.3	66.7					7	.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.1	.6	8.4	63.8	22.3	1.5	1.7	.3	1.4	1440	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

70701
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

JULY
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			50.0	50.0						2	.1
82 TO 86		.4	3.8	60.1	35.4	.4				263	17.7
77 TO 81	.1	.4	3.7	58.8	36.7	.1			.2	993	66.7
72 TO 76	.4		4.0	56.5	38.6				.4	223	15.0
67 TO 71		14.3		42.9	14.3	28.6				7	.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
TOTALS	.1	.4	3.8	58.6	36.6	.3			.2	1488	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

7701
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

AUGUST
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					100.0					1	.1
82 TO 86	1.3	1.8	13.2	52.2	30.3	1.3				228	15.3
77 TO 81	.3	.5	5.3	58.1	35.1	.5	.2	.1		887	59.6
72 TO 76	.3	1.1	4.3	55.6	37.4		.3		1.1	372	25.0
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	.5	.8	6.3	56.5	34.9	.5	.2	.1	.3	1468	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

7771
STATIONDIEGO GARCIA ISLAND
STATION NAMEAUGUST 1973-DECEMBER 1979
YEARSSEPTEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			14.3	14.3	28.6	14.3	28.6			7	.4
82 TO 86	.6	1.7	8.4	47.1	35.1	3.6	2.2	.3	1.1	359	21.4
77 TO 81	.8	2.0	4.7	52.1	31.5	2.0	2.1	.7	4.0	1028	61.2
72 TO 76	1.4	2.1	7.3	42.3	35.3	2.4	1.4	2.1	5.6	286	17.0
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.8	2.0	6.0	49.2	32.9	2.5	2.1	.8	3.6	1680	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

77701
STATION

PIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

OCTOBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			100.0							1	.1
87 TO 91			13.6	59.1	27.3					22	1.3
82 TO 86	.9	2.6	17.3	40.7	28.6	4.9	4.1	.6	.4	469	27.0
77 TO 81	2.1	2.0	9.8	48.2	27.5	4.7	2.3	1.7	1.8	1066	61.4
72 TO 76	2.9	2.9	5.8	25.0	34.9	12.2	4.7	4.1	7.6	172	9.9
67 TO 71	16.7		16.7				16.7	16.7	33.3	6	.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 A LWR											
TOTALS	1.8	2.2	11.6	43.8	28.4	5.4	3.0	1.7	2.1	1736	100.0

NAYWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

71701
STATION

DIEGO GARCIA ISLAND
STATION NAME

AUGUST 1973-DECEMBER 1979
YEARS

NOVEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	6.7		13.3	40.0	6.7	13.3	13.3	6.7		15	.9
82 TO 86	5.2	4.8	12.0	29.0	30.4	5.8	5.0	6.8	1.0	517	30.8
77 TO 81	3.5	2.9	9.5	35.4	26.5	5.0	6.8	6.1	4.3	974	58.0
72 TO 76	6.9	1.7	2.9	38.5	32.2	2.3	4.6	2.9	8.0	174	10.4
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.4	3.3	9.6	33.8	28.1	5.1	6.1	6.0	3.6	1680	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

777 1
STATIONDIEGO GARCIA ISLAND
STATION NAMEAUGUST 1973-DECEMBER 1979
YEARSDECEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	10.3	7.7	17.9	12.8		15.4	26.2	5.1	2.6	39	2.2
82 TO 86	3.8	6.2	18.0	12.7	11.4	7.0	15.0	16.0	5.0	545	31.4
77 TO 81	10.4	3.4	11.4	12.9	12.7	6.0	14.8	17.9	10.5	971	55.9
72 TO 76	11.5	1.7	4.0	11.5	13.8	1.7	14.9	23.0	17.8	174	10.0
67 TO 71		14.3		14.3	14.3		42.9	14.3		7	.4
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	10.0	4.3	12.8	12.7	12.1	6.0	15.3	17.5	9.3	1736	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

77201
STATION

PIEDRA GARCIA ISLAND
STATION NUMBER

AUGUST 1973-DECEMBER 1979
PERIOD

ALL
MONTH

NO. OF RECORDS

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
12-14											
14-16											
16-18											
18-20											
20-22											
22-24											
24-26											
26-28											
28-30											
30-32											
32-34											
34-36											
36-38											
38-40											
40-42											
42-44											
44-46											
46-48											
48-50											
50-52											
52-54											
54-56											
56-58											
58-60											
60-62											
62-64											
64-66											
66-68											
68-70											
70-72											
72-74											
74-76											
76-78											
78-80											
80-82											
82-84											
84-86											
86-88											
88-90											
90-92											
92-94											
94-96											
96-98											
98-100											
TOTALS	4.6	2.3	3.3	34.5	23.2	4.8	9.3	8.1	4.7	18497	100.0

NAVWEASERVCOM

NOON, Federal Building
Asheville, N. C.

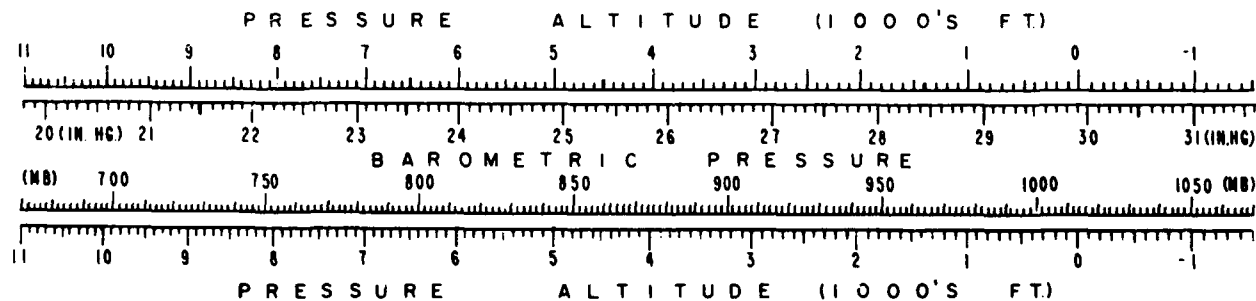
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

70701

DIEGO GARCIA ISLAND

73-79

STATION		STATION NAME													YEARS											
HRS.(L.S.T.)			JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
02	MEAN		1010.1	1010.1	1009.5	1009.2	1010.0	1010.1	1010.8	1011.3	1011.3	1010.7	1009.9	1010.1	1010.3											
	S. D.		1.340	1.303	1.761	1.531	1.611	1.140	1.454	1.483	1.537	1.543	1.623	1.425	1.611											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
05	MEAN		1009.8	1009.6	1009.1	1008.8	1009.6	1009.7	1010.3	1010.9	1011.0	1010.6	1009.9	1009.9	1010.0											
	S. D.		1.313	1.331	1.773	1.526	1.616	1.193	1.469	1.476	1.551	1.534	1.582	1.398	1.619											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
08	MEAN		1011.7	1011.4	1010.8	1010.4	1011.0	1011.1	1011.6	1012.4	1012.7	1012.5	1011.7	1011.6	1011.6											
	S. D.		1.302	1.324	1.731	1.458	1.590	1.225	1.524	1.486	1.511	1.549	1.490	1.334	1.609											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
11	MEAN		1011.8	1011.7	1011.2	1010.9	1011.5	1011.5	1012.1	1012.9	1013.0	1012.5	1011.6	1011.7	1011.9											
	S. D.		1.282	1.403	1.674	1.388	1.563	1.202	1.498	1.495	1.475	1.525	1.478	1.360	1.575											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
14	MEAN		1009.9	1009.5	1008.9	1008.6	1009.3	1009.5	1010.2	1010.8	1010.8	1010.3	1009.5	1009.8	1009.8											
	S. D.		1.268	1.276	1.720	1.398	1.625	1.203	1.524	1.479	1.537	1.515	1.451	1.402	1.590											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
17	MEAN		1009.2	1008.8	1008.3	1008.3	1009.1	1009.3	1009.9	1010.4	1010.4	1009.9	1009.0	1009.1	1009.3											
	S. D.		1.312	1.316	1.660	1.478	1.655	1.238	1.506	1.470	1.546	1.573	1.416	1.351	1.609											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
20	MEAN		1011.2	1010.7	1010.3	1010.1	1010.8	1010.8	1011.4	1012.0	1012.1	1011.8	1011.1	1011.2	1011.1											
	S. D.		1.284	1.348	1.633	1.448	1.638	1.225	1.506	1.401	1.517	1.477	1.498	1.376	1.574											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
23	MEAN		1012.1	1012.0	1011.4	1010.9	1011.4	1011.3	1012.0	1012.8	1013.0	1012.4	1011.8	1012.0	1012.0											
	S. D.		1.299	1.287	1.691	1.482	1.633	1.197	1.477	1.475	1.467	1.496	1.567	1.370	1.586											
	TOTAL OBS		186	169	186	180	186	180	186	186	210	217	210	217	2313											
ALL HOURS	MEAN		1010.7	1010.5	1009.9	1009.7	1010.3	1010.4	1011.0	1011.7	1011.8	1011.4	1010.6	1010.7	1010.7											
	S. D.		1.657	1.700	2.007	1.759	1.846	1.447	1.699	1.722	1.814	1.847	1.834	1.706	1.867											
	TOTAL OBS		1888	1352	1988	1990	1988	1990	1988	1988	1680	1680	1736	1680	1736	18509										

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7-791

DIEGO GARCIA ISLAND

73-79

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
02	MEAN	29.816	29.815	29.798	29.789	29.812	29.816	29.836	29.852	29.850	29.833	29.811	29.816	29.821	
	S. D.	.040	.039	.052	.046	.048	.034	.043	.044	.045	.046	.048	.043	.048	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
05	MEAN	29.807	29.800	29.786	29.778	29.800	29.805	29.822	29.840	29.841	29.831	29.810	29.808	29.811	
	S. D.	.039	.040	.052	.045	.048	.036	.044	.044	.046	.046	.047	.042	.048	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
08	MEAN	29.864	29.853	29.836	29.826	29.843	29.845	29.860	29.884	29.891	29.887	29.863	29.861	29.860	
	S. D.	.039	.040	.051	.044	.047	.037	.045	.044	.045	.046	.044	.040	.048	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
11	MEAN	29.867	29.863	29.849	29.841	29.857	29.857	29.876	29.899	29.901	29.887	29.860	29.863	29.869	
	S. D.	.038	.042	.050	.041	.047	.036	.045	.044	.043	.045	.044	.041	.047	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
14	MEAN	29.810	29.800	29.780	29.772	29.792	29.800	29.817	29.837	29.836	29.820	29.797	29.805	29.806	
	S. D.	.038	.039	.051	.043	.048	.037	.045	.044	.045	.045	.043	.042	.047	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
17	MEAN	29.789	29.778	29.764	29.763	29.785	29.792	29.810	29.826	29.823	29.809	29.783	29.786	29.793	
	S. D.	.039	.042	.049	.044	.049	.037	.044	.042	.046	.045	.042	.040	.048	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
20	MEAN	29.848	29.834	29.821	29.816	29.836	29.837	29.854	29.873	29.877	29.866	29.844	29.847	29.847	
	S. D.	.038	.040	.048	.043	.049	.037	.045	.042	.045	.044	.045	.042	.047	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
23	MEAN	29.875	29.871	29.853	29.839	29.854	29.852	29.871	29.896	29.903	29.891	29.866	29.872	29.871	
	S. D.	.039	.038	.050	.044	.048	.036	.044	.044	.044	.044	.047	.040	.047	
	TOTAL OBS	186	169	186	180	186	180	186	186	210	217	210	217	2313	
ALL HOURS	MEAN	29.834	29.827	29.811	29.803	29.822	29.825	29.843	29.863	29.865	29.853	29.829	29.832	29.835	
	S. D.	.049	.051	.059	.052	.055	.043	.050	.051	.054	.055	.054	.051	.055	
	TOTAL OBS	1488	1352	1488	1440	1488	1440	1488	1488	1680	1736	1680	1736	18504	

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